

EMPLOYMENT AND EARNINGS

VOL. 18 NO. 3 SEPTEMBER 1971

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Editors' Note

Beginning with this issue, all national employment series in the establishment survey have been adjusted to March 1970 benchmarks. Hours, earnings, and labor turnover data may also have been revised if there were any sizeable changes in the employment weights. The article, "BLS Establishment Estimates Revised to March 1970 Benchmark Levels" (pages 18-30), contains a detailed discussion of these revisions. New seasonal factors for current adjustment may be found on pages 135-137, including, for the first time, factors for average hourly earnings and for indexes of average hourly earnings adjusted for interindustry employment shifts. Data in table C-10 (indexes of man-hours) and tables E-1, E-2, E-3, and E-4 (job vacancies) have not yet been adjusted to reflect the effects of the new benchmarks.

The historical compendium, *Employment and Earnings, United States, 1909-71*, BLS Bulletin 1312-8 to be released later this year will contain historical data adjusted to March 1970 benchmarks.

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CALENDAR OF FEATURES								
In addition to the monthly data appearing regularly in <i>Employment and Earnings</i> , special features appear in most of the issues, as shown below:								
	Jan.	Feb.	Mar.	Apr.	May	July	Sept.	Oct.
Household data								
Annual averages	x							
Revised seasonally adjusted series and current seasonal factors		x						
Quarterly averages	x			x		x		x
Establishment data								
National annual averages:								
Industry divisions (preliminary)	x							
Industry detail (final)			x					
State and area annual averages					x			
Area definitions					x			
National data adjusted to new benchmarks							(1)	
Revised seasonally adjusted series and current seasonal factors							(1)	

¹ The issue that introduces the establishment data adjusted to new benchmarks may vary. The September 1971 issue marks the introduction of March 1970 benchmarks.

Employment and Unemployment Developments, August 1971

Total employment and unemployment rose in August, as the labor force increased sharply, after allowance for the usual seasonal changes. The unemployment rate rose from 5.8 percent in July to 6.1 percent in August.

The 260,000 gain in total employment (seasonally adjusted) brought the number at work to an alltime high. The August rise occurred almost entirely among adult women. The increase in unemployment, on the other hand, occurred largely among adult men and teenage boys. A curtailment in production in the steel industry was the principal factor in the rise in adult male unemployment.

Nonagricultural payroll employment remained essentially unchanged in August, with gains in several service-producing industries being offset by small declines in manufacturing and construction.

Unemployment

There were 5.1 million unemployed persons in August. After allowance for the usual July-to-August change, unemployment showed an over-the-month increase of 230,000. This raised the seasonally adjusted unemployment rate from 5.8 to 6.1 percent. Increased joblessness occurred among both full- and part-time workers.

The jobless rate for all adult men, who accounted for about half of the rise in the number of unemployed, edged up from 4.3 to 4.5 percent between July and August, returning to the peak levels reached in late 1970 and in the spring of 1971. The principal factor in the increase was the drop in steel production. The

jobless rate for married men, at 3.2 percent, remained essentially unchanged over the month.

The unemployment rate for adult women, at 5.8 percent, showed little change from the previous month; it has hovered around this level since last fall. The rate for teenagers, at 17.0 percent in August, also was not significantly changed from the July level.

The over-the-month increase in unemployment occurred entirely among white workers. Their rate advanced from 5.3 percent in July to 5.6 percent in August. The rate for Negroes (9.8 percent) showed little change from the previous month.

A rise in the blue-collar unemployment rate, from 7.1 percent in July to 7.6 percent in August, appears to stem largely from developments in the steel industry. An increase from 3.9 to 4.2 percent in the jobless rate for workers covered by State unemployment insurance programs was also attributable largely to the same factor.

The bulk of the August rise in joblessness stemmed from job loss (rather than from the entry or re-entry of jobseekers into the labor force). The increase resulted in a rise in the number of workers unemployed less than 5 weeks but had little effect on the average duration of unemployment. At 11.5 weeks, seasonally adjusted, the average duration of unemployment was unchanged from July; it has remained above 11.0 weeks since May.

Labor force and total employment

The Nation's civilian labor force increased by 500,000 in August and attained an alltime

high of 84.3 million (seasonally adjusted). About two-thirds of the August increase was among adult women.

Total employment posted a seasonally adjusted gain of about 260,000, also reaching an alltime high. The over-the-month increase was largely among part-time workers.

Over the year ending in August, the civilian labor force has expanded by 1.6 million, while employment has risen 700,000. More than one-third of the civilian labor force gain has been accounted for by men in the 20-to-24 age group, many of whom entered the job market upon separation from the Armed Forces.

Vietnam Era veterans

About 3.9 million Vietnam Era veterans 20 to 29 years old were in the civilian labor force in August 1971, an increase of 560,000 over the year (data not seasonally adjusted; see table). Since last August, the number of employed veterans has increased by about 440,000, to 3.5 million. A total of 320,000 veterans were unemployed this August, about the same number as in July but nearly 120,000 more than a year ago.

The unemployment rate for 20-29 year old veterans was 8.4 percent in August, about the same as a month earlier but significantly

higher than the rate for last August (6.2 percent). The jobless rate for nonveterans 20 to 29 years, at 7.0 percent in August, was below that of veterans and has risen less than the rate for veterans over the year.

Industry payroll employment

Nonagricultural payroll employment was unchanged between July and August, at 70.6 million, seasonally adjusted. Small employment gains in trade and State and local government were offset by declines in manufacturing and contract construction. Since May, payroll employment has declined 220,000, erasing the gains made earlier in the year.

Manufacturing employment was down 30,000 in August, seasonally adjusted, the third straight monthly reduction. The drop brought factory employment to its lowest level in nearly 6 years. The over-the-month decline resulted from a 45,000 drop in primary metals, as employment in the other manufacturing industries was little changed over the month. The decline in the primary metals industry stemmed from the curtailment in steel production; since May, employment in this industry has fallen by 90,000.

In contract construction, employment edged down in August for the fourth consecutive month (by 15,000, seasonally adjusted). Employment in this industry was 100,000 below

Employment status of male Vietnam Era veterans and nonveterans 20 to 29 years old

(Numbers in thousands; data not seasonally adjusted)

Employment status	War veterans ¹			Nonveterans		
	Aug. 1971	July 1971	Aug. 1970	Aug. 1971	July 1971	Aug. 1970
Civilian noninstitutional population	4,142	4,089	3,523	9,458	9,428	8,933
Civilian labor force	3,855	3,815	3,295	8,569	8,576	8,158
Percent of population	93.1	93.3	93.5	90.6	91.0	91.3
Employed	3,533	3,502	3,090	7,971	7,962	7,667
Unemployed	322	313	205	598	614	491
Unemployment rate	8.4	8.2	6.2	7.0	7.2	6.0
Not in labor force	287	274	228	889	852	775

¹ War veterans are defined by the dates of their service in the United States Armed Forces. War veterans 20 to 29 years old are all veterans of the Vietnam Era (service at any time after Aug. 4, 1964), and they account for about 85 percent of the Vietnam Era veterans of all ages. About 550,000 post-Korean-peace-time veterans 20 to 29 years old are not included in this table.

last August and 260,000 below the alltime high reached in December 1969. In mining, a small job gain resulted from the net return to payrolls of workers who had been on strike in the copper industry.

Employment increases in trade (35,000, seasonally adjusted) and State and local government (25,000) were partially offset by declines in other service-producing industries. The largest drop among these industries occurred in transportation and public utilities (25,000), due largely to new strike activity in the industry.

Hours of work

The average workweek for all rank-and-file workers on private nonagricultural payrolls edged up by 0.1 hour in August to 37.0 hours, seasonally adjusted. Average hours of work have been either 36.9 or 37.0 hours for eleven straight months.

The small rise in the nonfarm workweek resulted mainly from a large increase in average hours worked in transportation and public utilities (1.5 hours, seasonally adjusted). This reflected a return to normal work schedules in the telephone industry, where striking employees had worked only part of the reference week in July.

In manufacturing, the average workweek was 39.9 hours (seasonally adjusted), down 0.1 hour from July but within the narrow range of 39.8-40.0 hours that has prevailed since January. The August change mainly reflected a sharp drop in primary metals (0.8 hour). In most other manufacturing industries, the average workweek moved up over the month. Since January, average weekly hours have risen in 15 of the 21 manufacturing industries.

Factory overtime hours dropped 0.1 hour to 2.8 hours, seasonally adjusted, in August. Overtime hours have moved between 2.8 and 3.0 hours since January.

Earnings

Average hourly earnings of rank-and-file workers on private nonagricultural payrolls were \$3.44 in August, up 2 cents from July. Compared with a year ago, average hourly earnings were up 19 cents or 5.8 percent.

Average weekly earnings increased by \$1.43 over the month to \$129.00, as a result of increases in both the workweek and hourly earnings. Compared with August 1970, average weekly earnings were up by \$6.80, or 5.6 percent. During the latest 12-month period for which Consumer Price Index data are available—July 1970 to July 1971—the index rose 4.4 percent.

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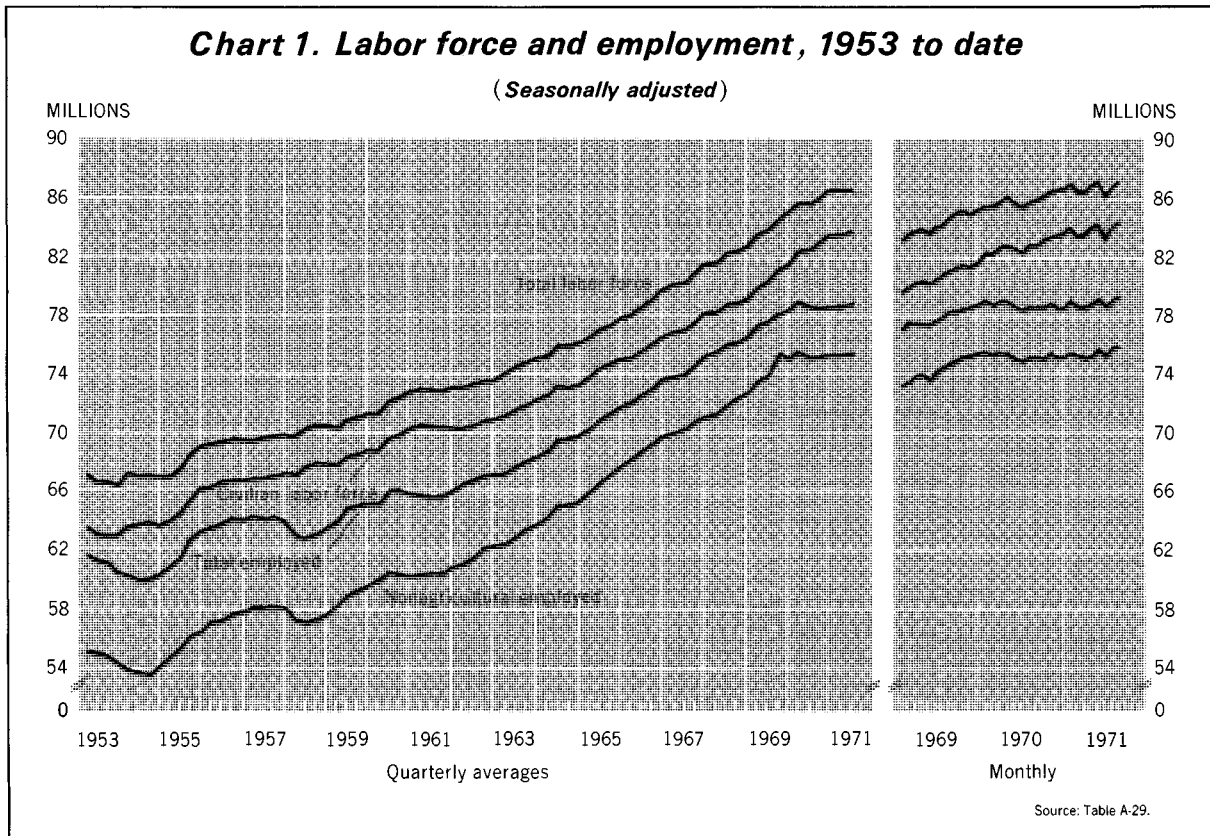
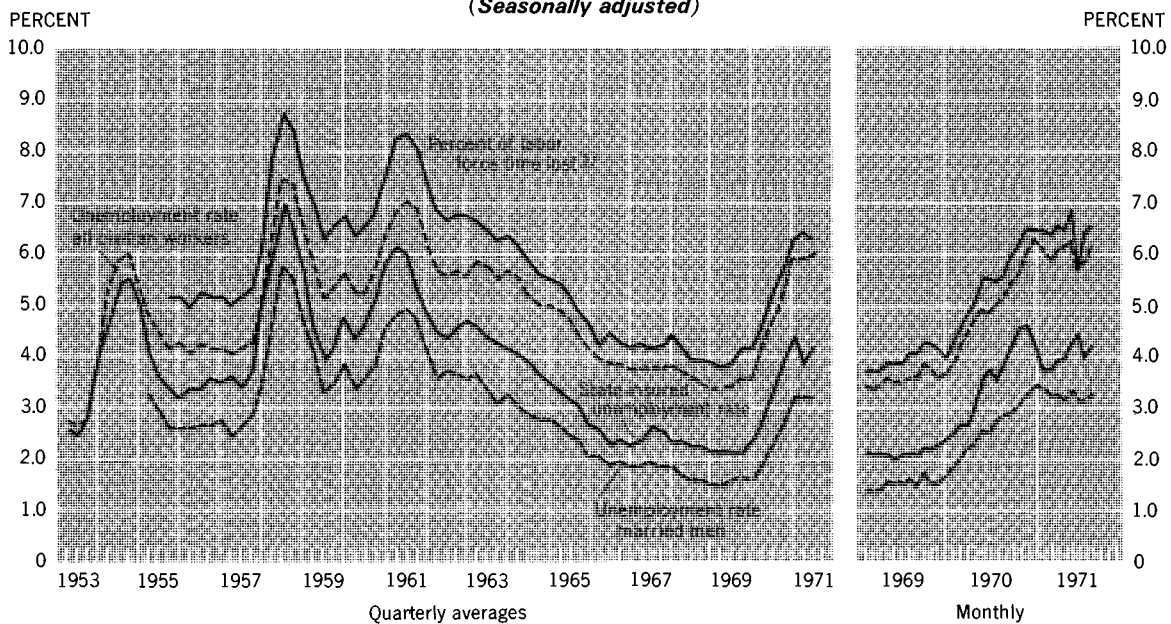


Chart 2. Major unemployment indicators 1953 to date

(Seasonally adjusted)

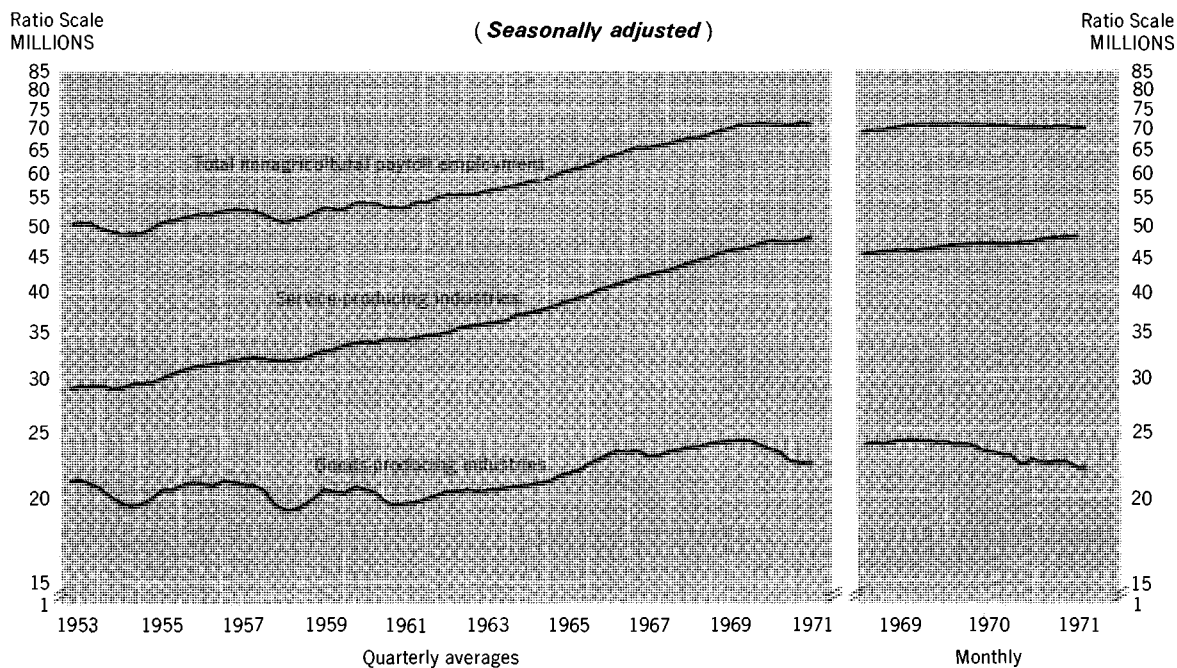


Series revised beginning 1963 to reflect whether unemployed persons sought full- or part-time jobs.

Source: Table A-33.

Chart 3. Payroll employment in goods and service-producing industries 1953 to date

(Seasonally adjusted)

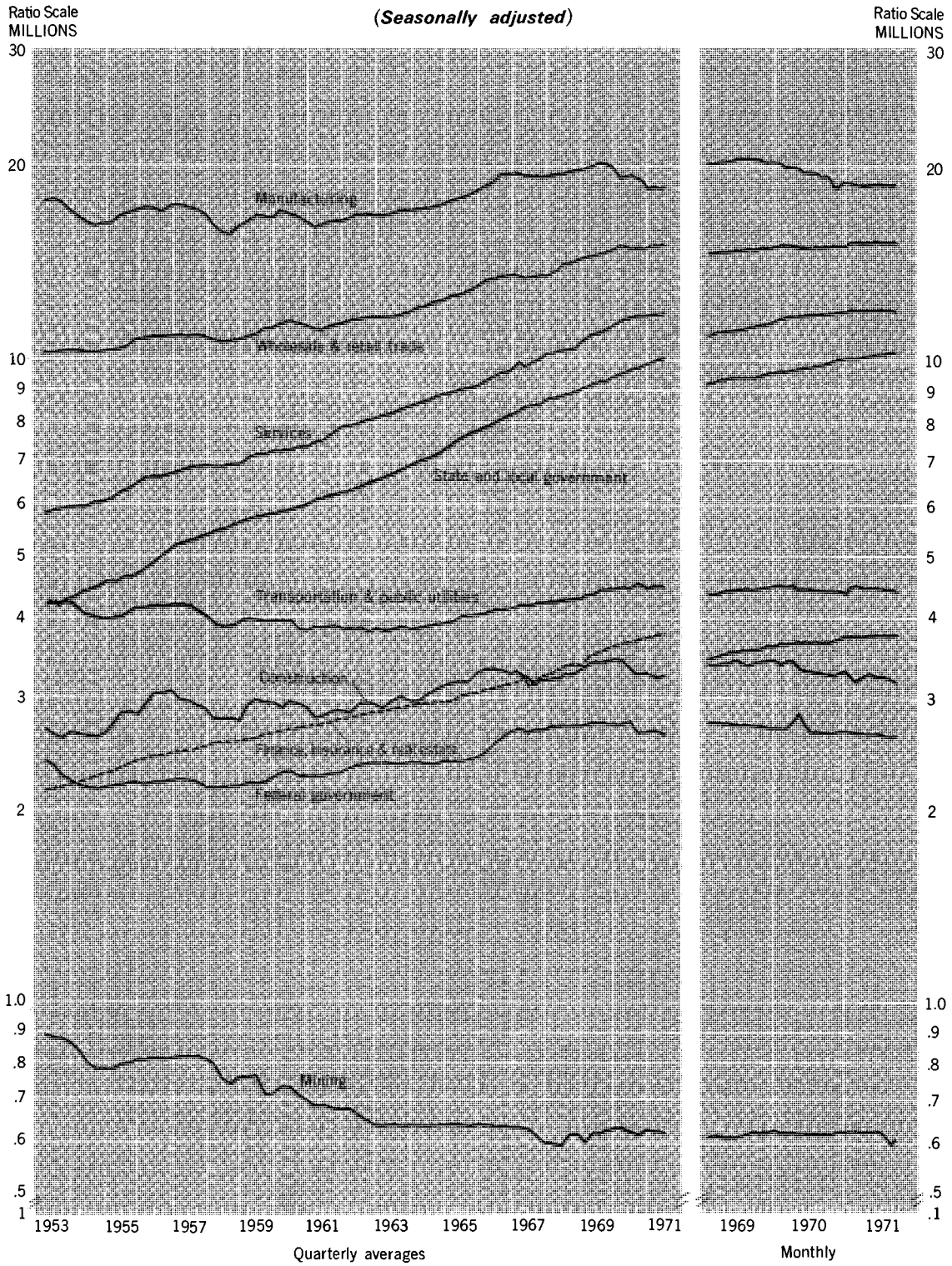


Note: Data for 2 most recent months are preliminary.

Source: Table B-5.

Chart 4. Nonagricultural payroll employment by industry 1953 to date

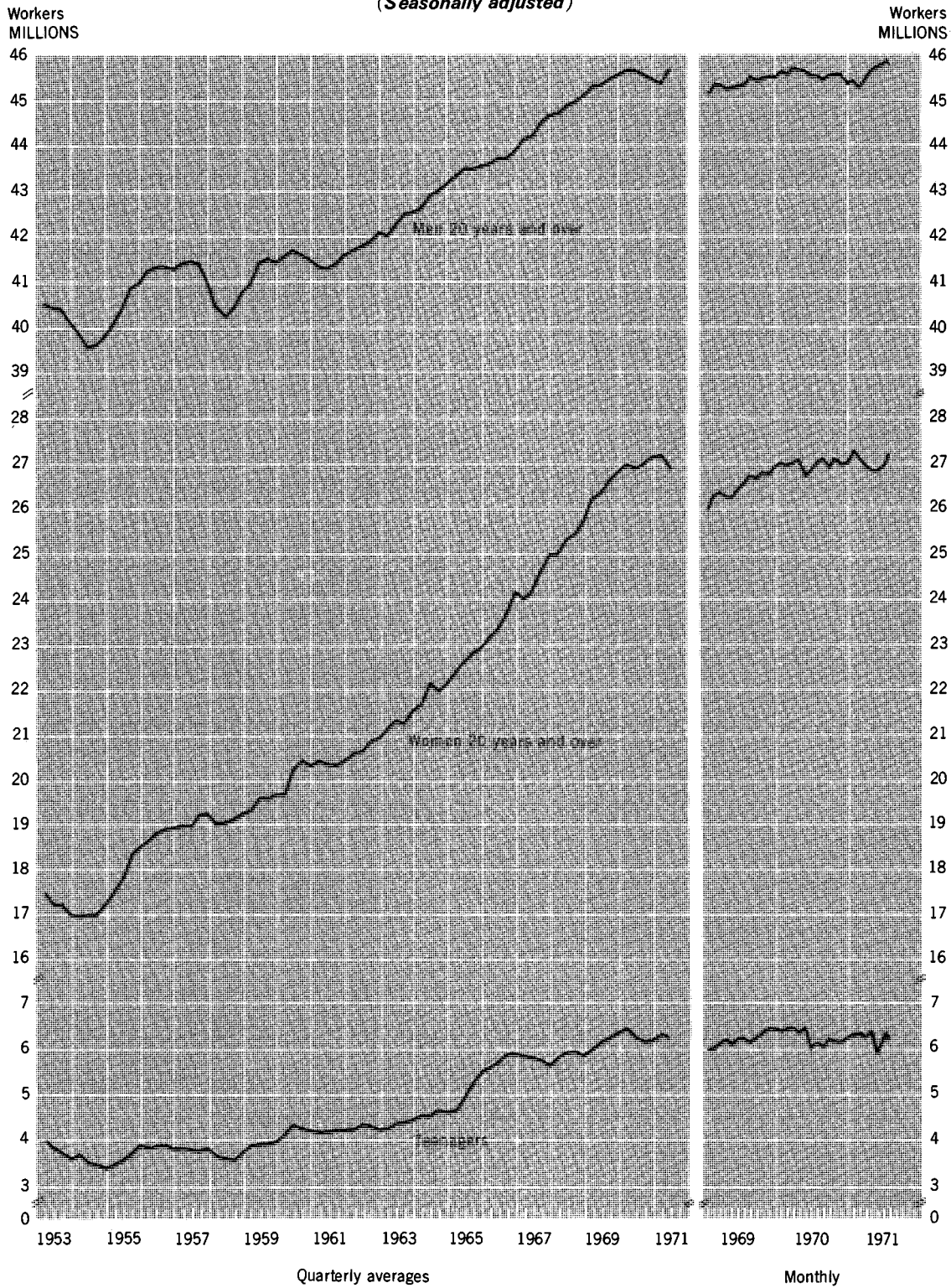
(Seasonally adjusted)



Note: Data for 2 most recent months are preliminary.

Source: Table B-5.

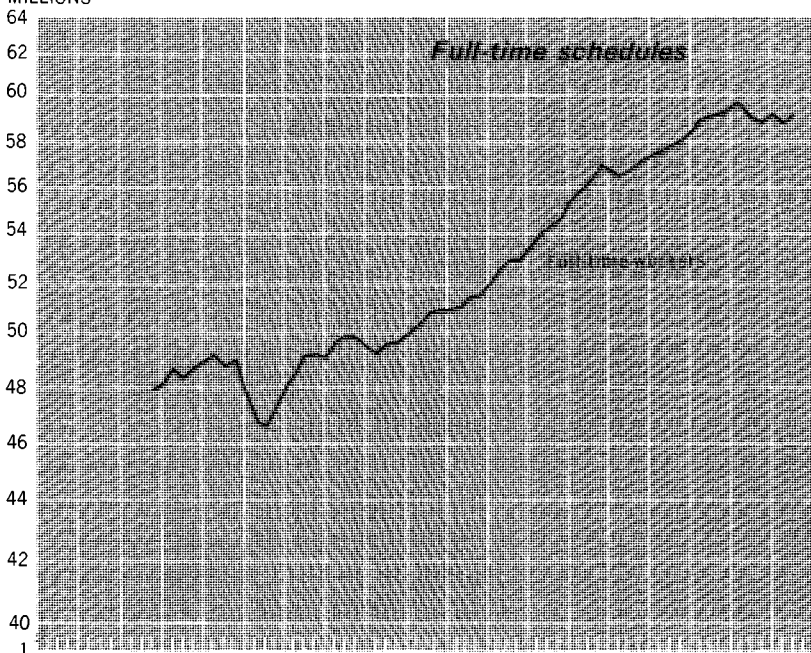
**Chart 5. Total employment by age and sex
1953 to date**
(Seasonally adjusted)



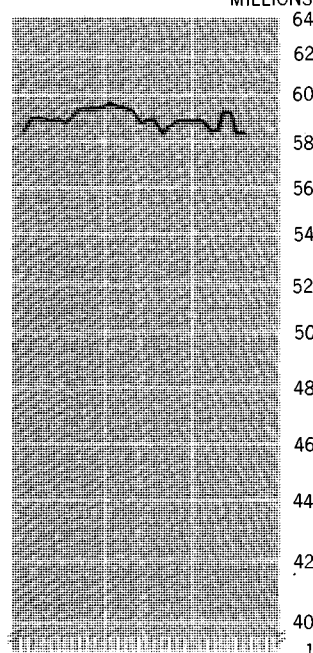
Source: Table A-29.

**Chart 6. Persons at work full and part time
in nonagricultural industries
1955 to date**
(Seasonally adjusted)

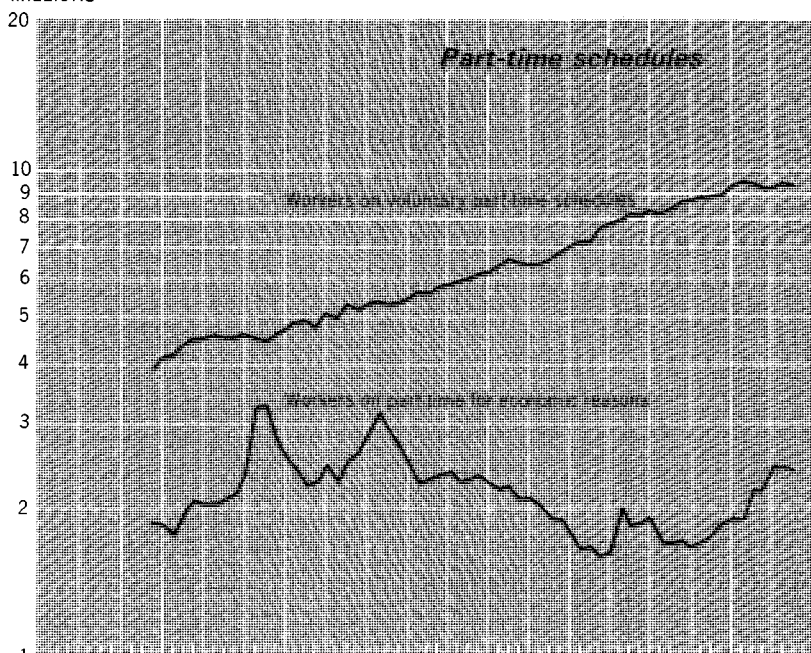
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MILLIONS



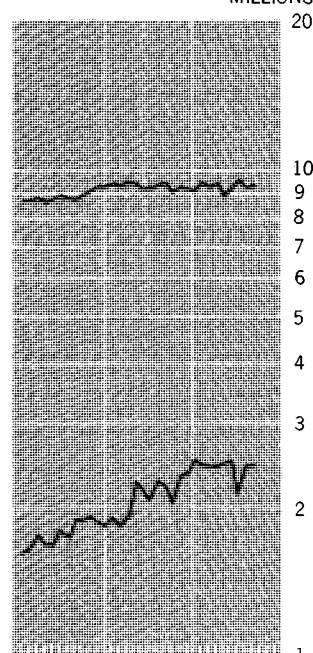
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1953 1955 1957 1959 1961 1963 1965 1967 1969 1971

Quarterly averages

1969 1970 1971

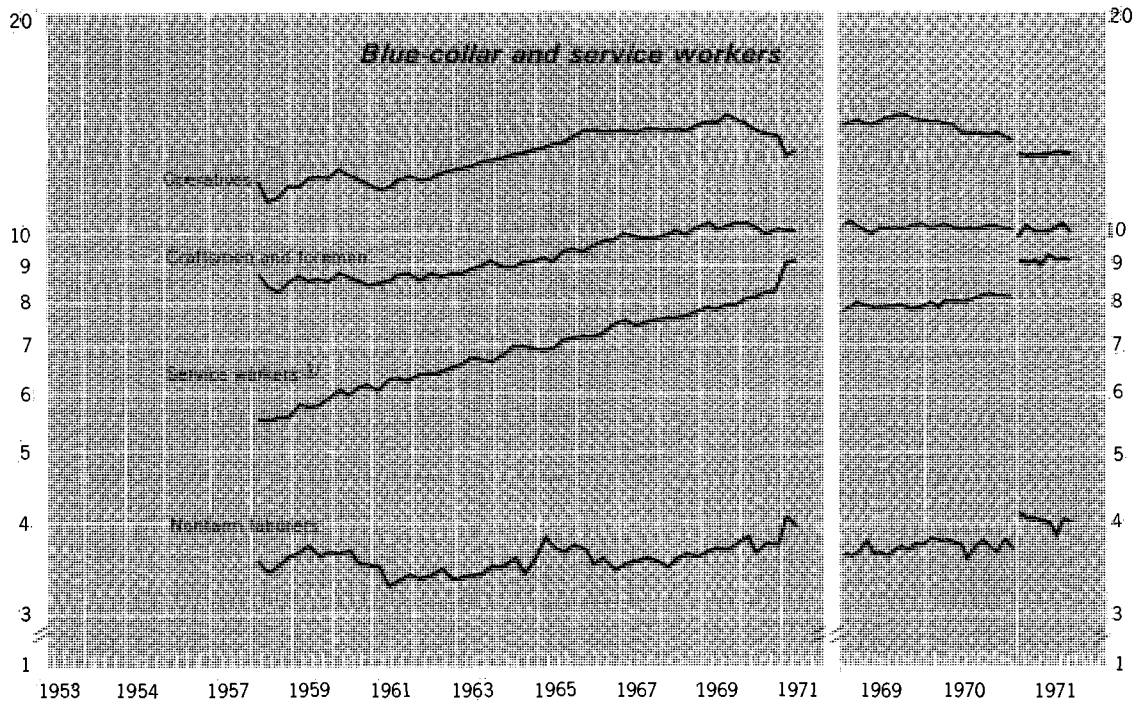
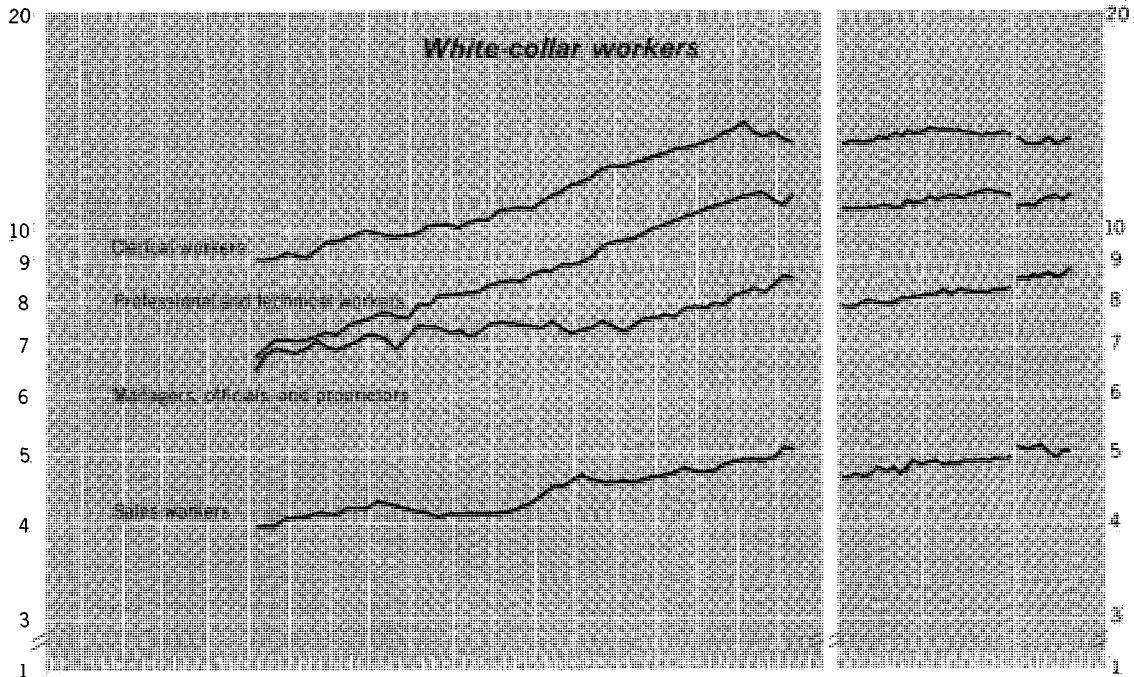
Monthly

Source: Table A-29 and unpublished data.

Chart 7. Employment in nonfarm occupations 1958 to date (Seasonally adjusted)

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MILLIONS.

Ratio Scale
MILLIONS



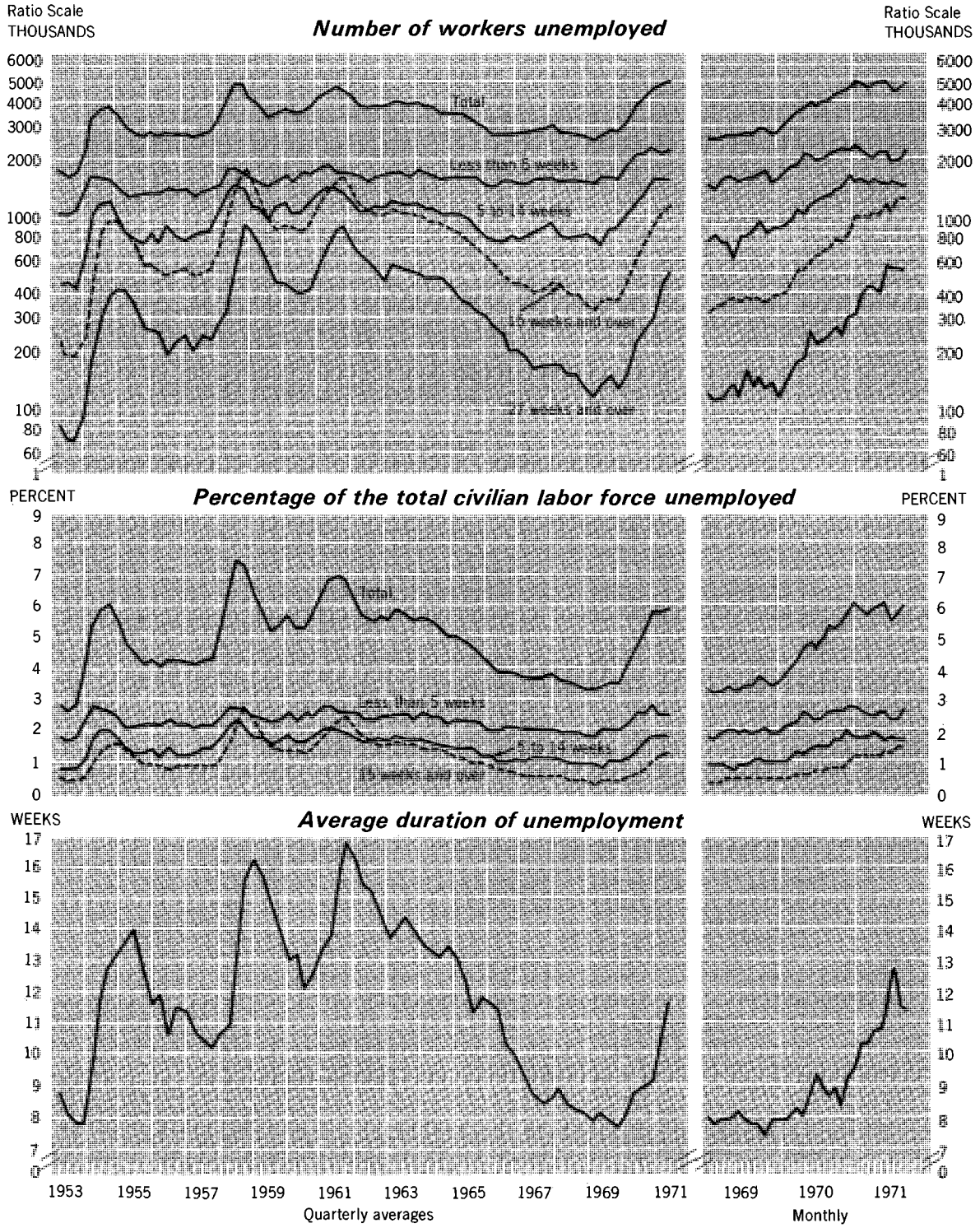
1/ Excludes private household workers.

Note: Comparisons with data prior to January 1971 are affected by the reclassification of census occupations that was introduced in that month, creating a break in series.

Source: Table A-37

Chart 8. Duration of unemployment 1953 to date

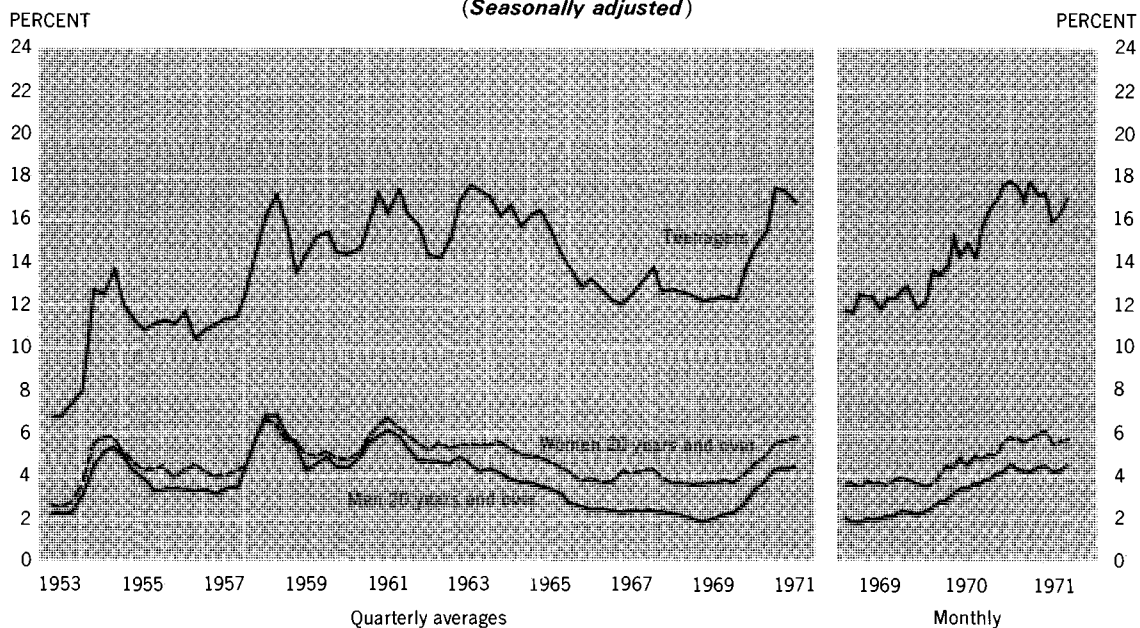
(Seasonally adjusted)



Source: Table A-32.

**Chart 9. Unemployment rates by age and sex
1953 to date**

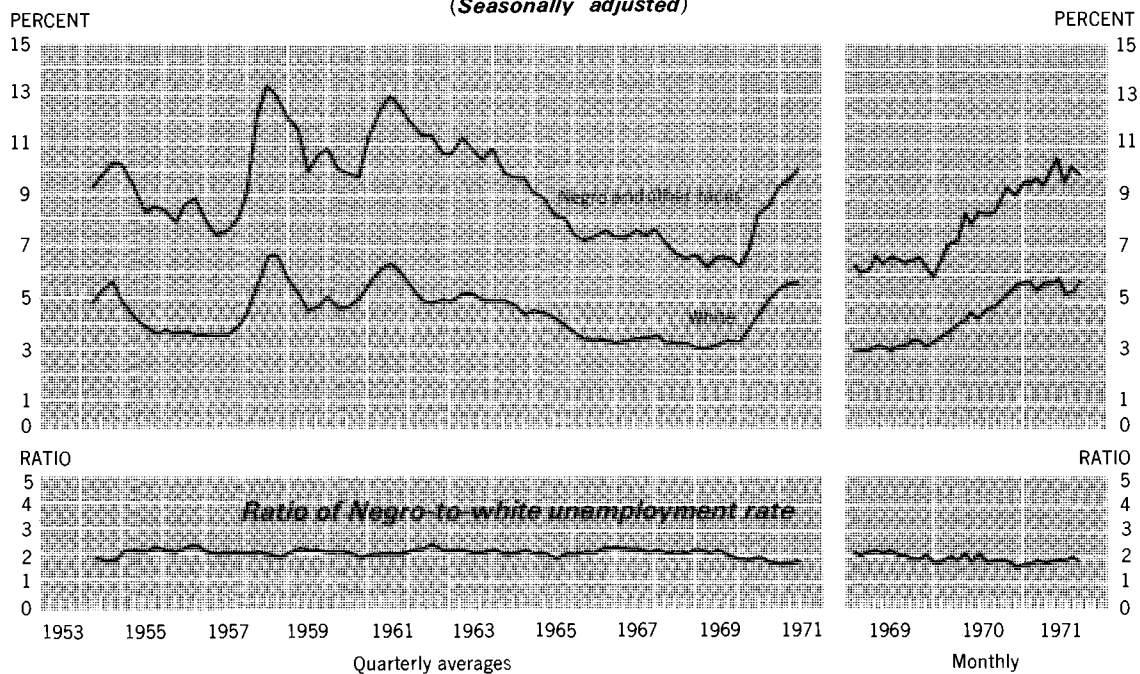
(Seasonally adjusted)



Source: Table A-33.

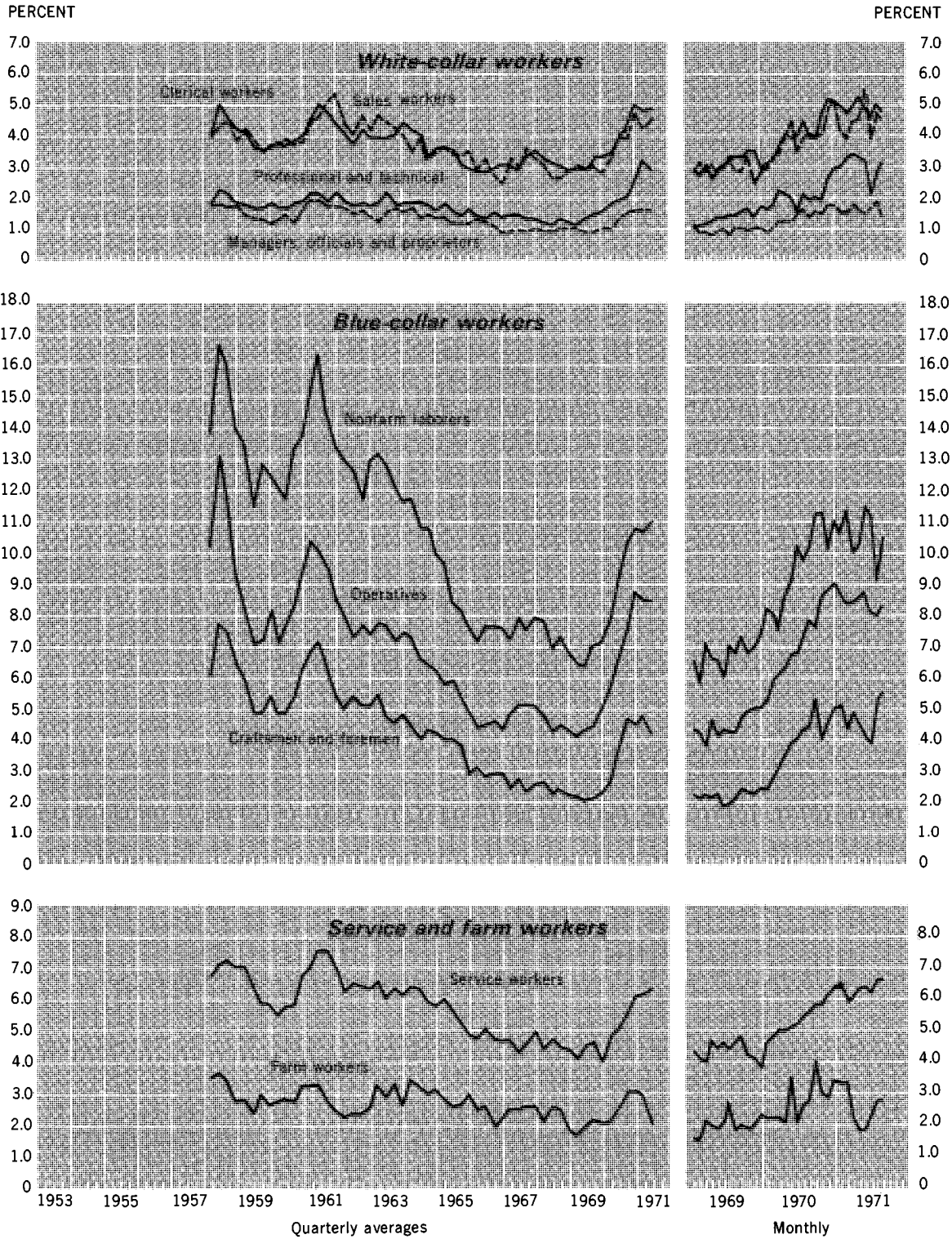
**Chart 10. Unemployment rates by color
1954 to date**

(Seasonally adjusted)



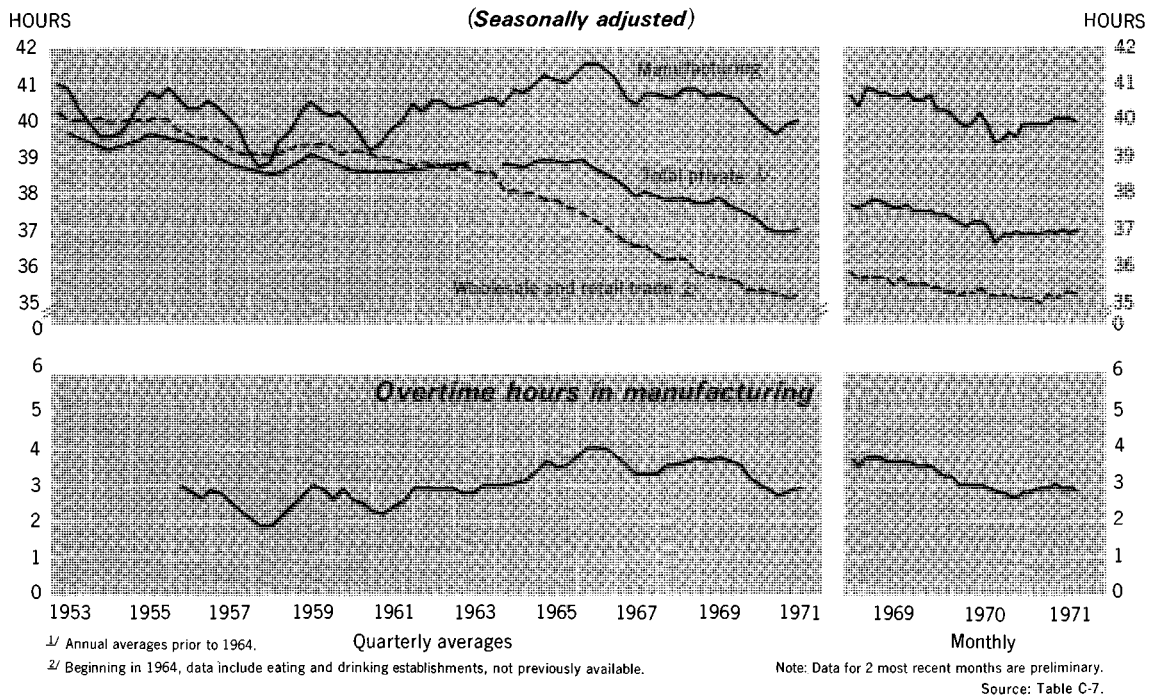
Source: Table A-31.

Chart 11. Unemployment rates by occupation
1958 to date
(Seasonally adjusted)



Source: Table A-33.

**Chart 12. Average weekly hours in private nonagricultural establishments, manufacturing, and trade
1953 to date**



**Chart 13. Labor turnover rates in manufacturing
1953 to date**

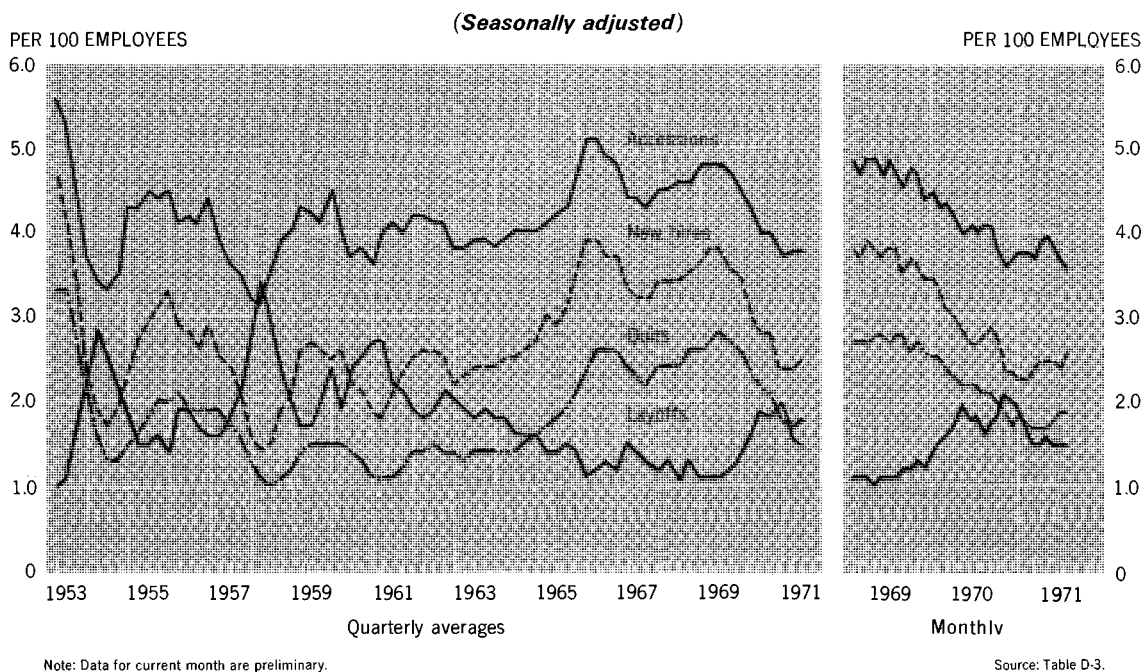
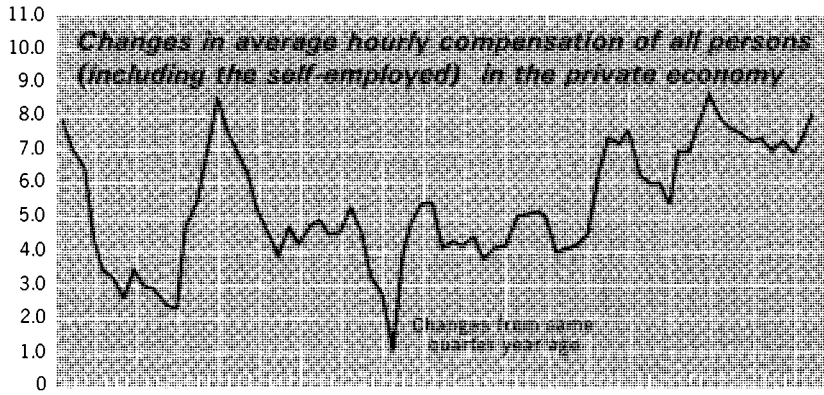


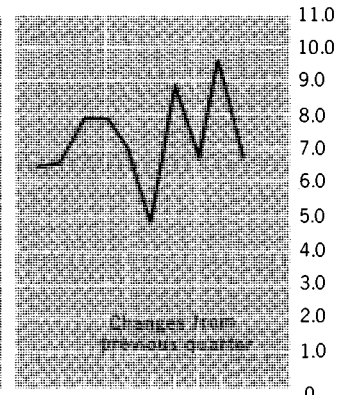
Chart 14. Major compensation trend indicators 1953 to date

(Seasonally adjusted, at annual rates)

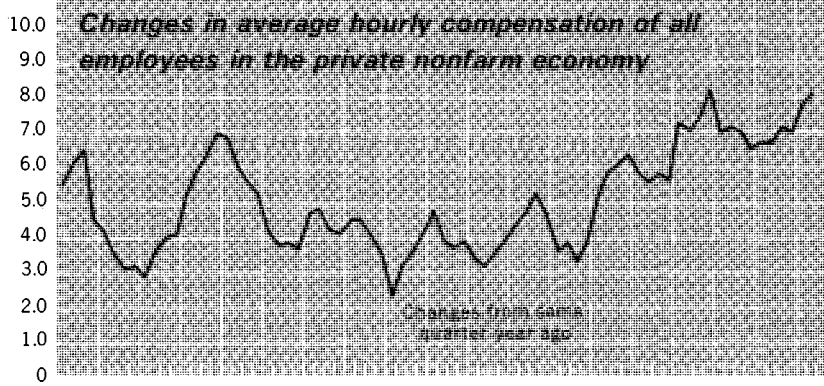
PERCENT CHANGE



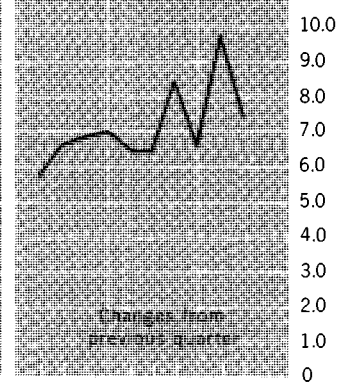
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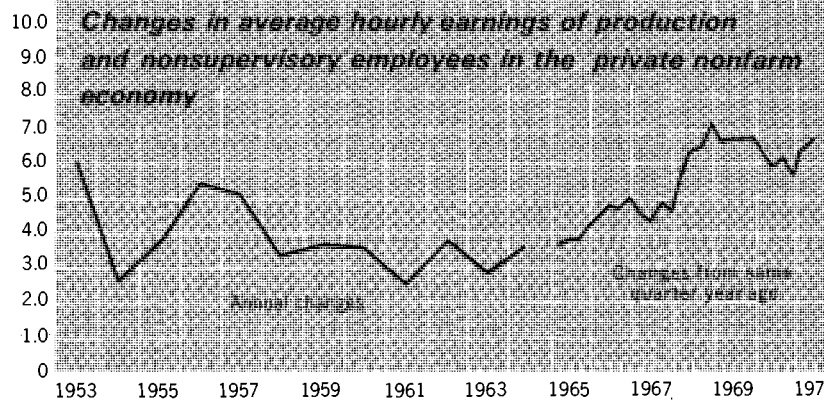
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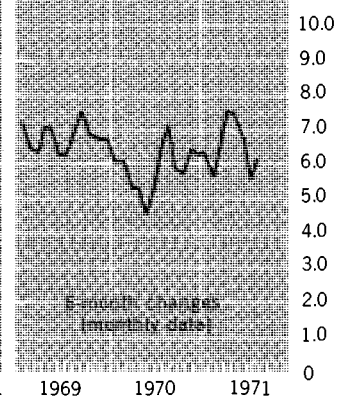
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Source: Tables C-11, C-12, and C-14.

Chart 15. Average weekly earnings in private nonagricultural establishments, manufacturing, and trade 1953 to date

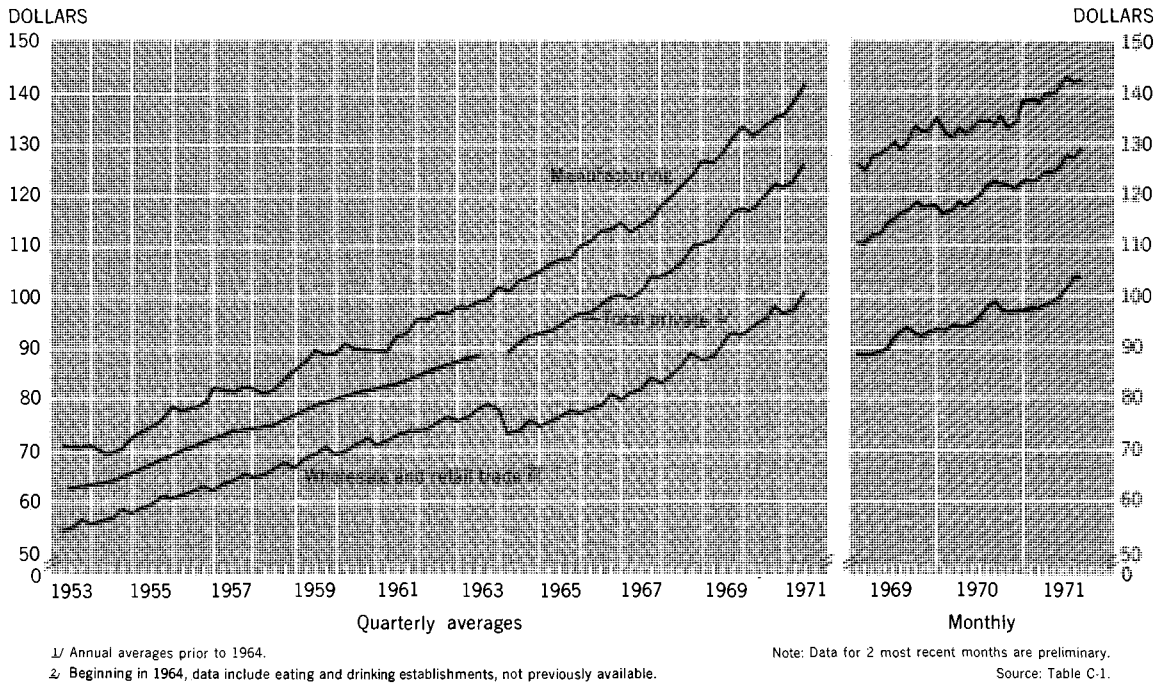
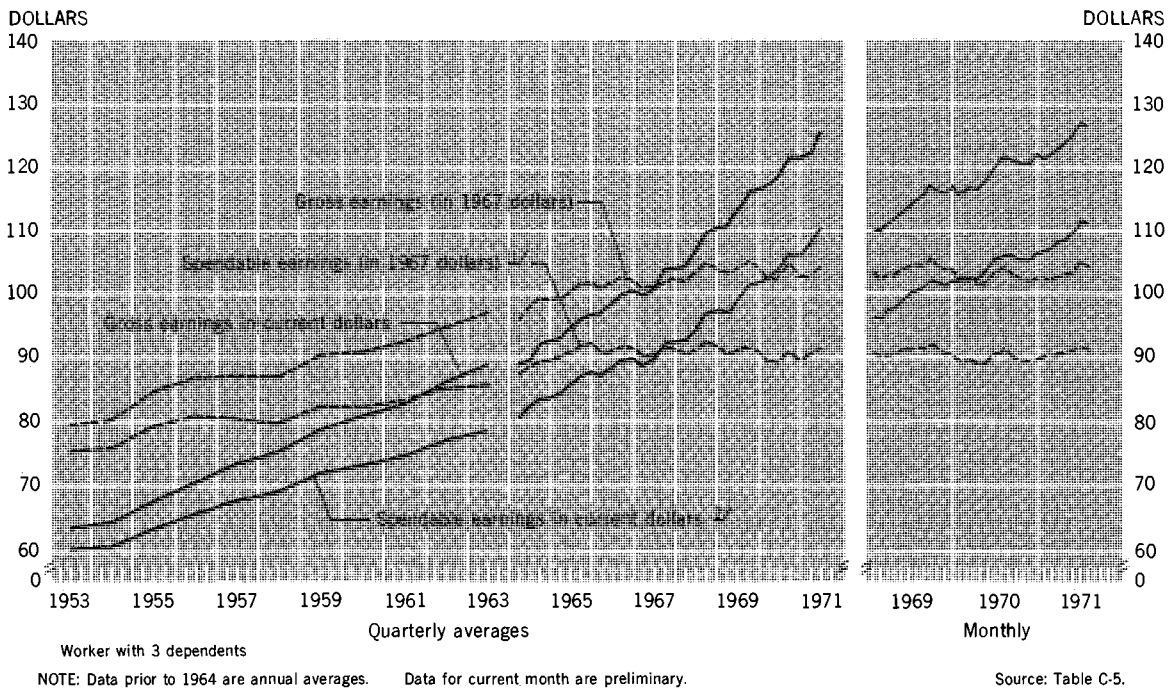


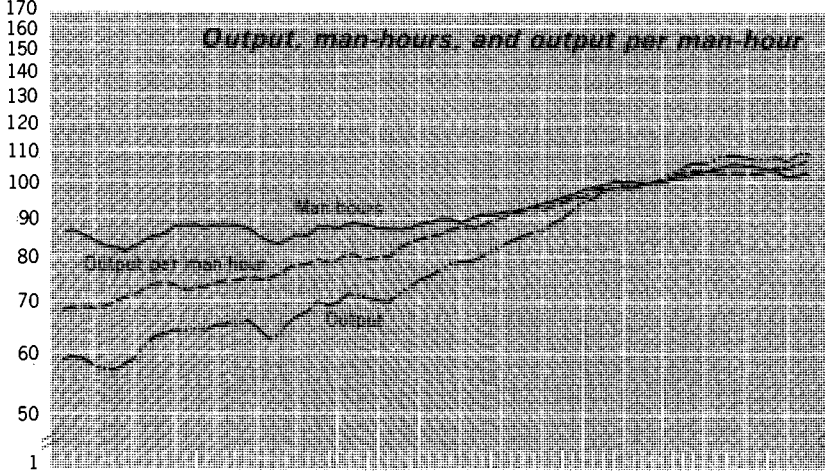
Chart 16. Average weekly and spendable earnings of production or nonsupervisory workers on private nonagricultural payrolls 1953 to date



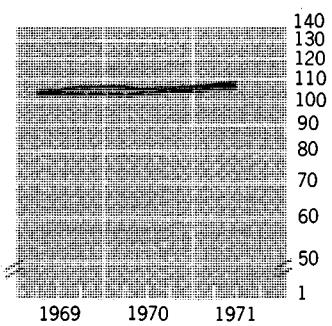
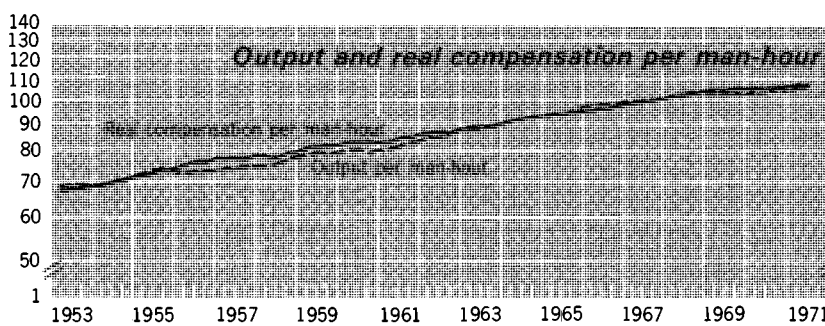
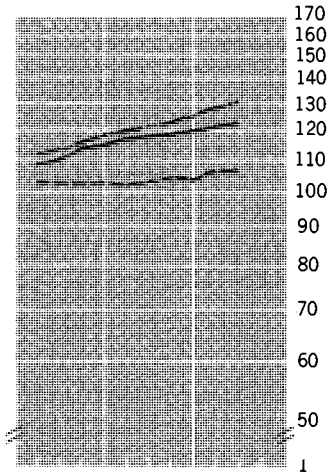
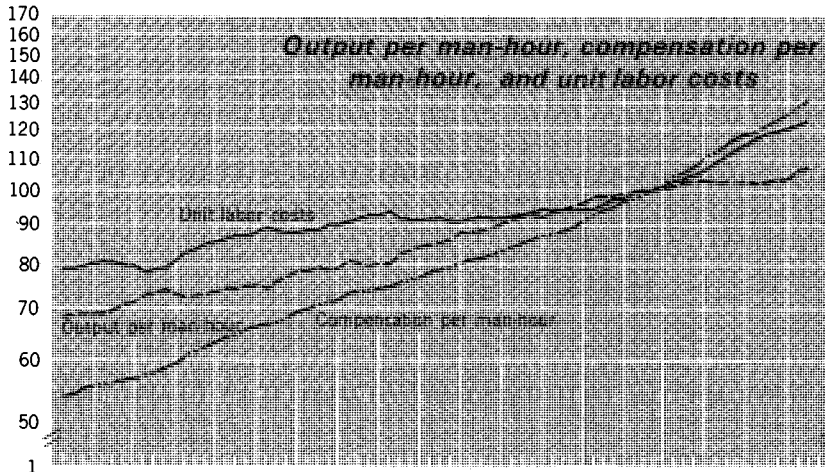
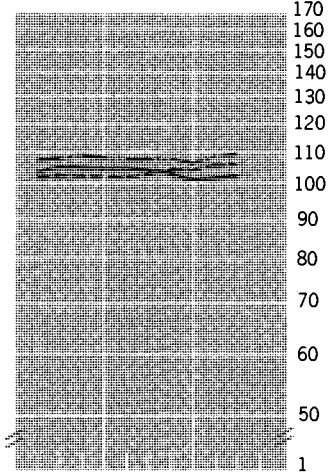
**Chart 17. Indexes of output per man-hour, hourly compensation, and unit labor costs in the private nonfarm economy
1953 to date**

(Seasonally adjusted quarterly averages)

RATIO SCALE
INDEX (1967 = 100)



RATIO SCALE
INDEX (1967 = 100)



Source: Table C-10.

BLS Establishment Estimates Revised to March 1970 Benchmark Levels

*by Paul Armknecht

The BLS establishment survey provides timely estimates on employment of all workers on non-agricultural payrolls, and hours and earnings of rank and file workers in the private nonagricultural sector. Annually, as more complete employment counts (benchmarks) become available, the estimates are adjusted to reflect these new levels. The adjustment affects most of the published series and, in general, means that the employment series have been revised back to the previous benchmark. The March 1970 benchmark review has been completed, and employment data from April 1969 through July 1971 have been revised. Hours, earnings, labor turnover, and job vacancy estimates, which are weighted by employment data, may also have been revised as a result of shifts in employment levels.

The benchmark review is an integral part of the Bureau of Labor Statistics establishment survey program. It serves as a quality control process by providing both a precise measure of employment levels and analyses of series trends. New benchmarks are determined for March of each year at the most detailed industrial classification for which estimates are made. The difference between the benchmark and the corresponding estimate is wedged back to the previous benchmark, and the intervening monthly estimates are adjusted accordingly. The benchmark level then is projected forward to the current month based on the trend of monthly reports submitted by a sample of employers. The estimates adjusted to the new levels then are aggregated through successively inclusive series to total nonagricultural employment.

The March 1970 total nonagricultural benchmark count of 70.4 million workers was 12,000 below the sample-based estimate, a difference of only 0.02 percent. For each of the component major divisions, the relative adjustment was less than 0.5 percent. (See table 1.)

Monthly estimates of employment, hours, and earnings are published in considerable detail. Using the Standard Industrial Classification (SIC) system, estimates are prepared at the industry group level (three-digit SIC) for most nonmanufacturing industries. Because of the size (about 30 percent of nonagricultural workers) and economic importance of the manufacturing division, estimates are prepared and published at the industry (four-digit SIC) level.

The degree of accuracy that can be assigned to the estimates over time is of primary interest. Of the 201 industry groups for which employment estimates are published, only 13 were revised by 5 percent or more. The relative differences in revision among these 201 categories varies inversely with the size of employment. This tendency is observed in the distribution of industries by employment size class and percentage revision. (See table 2.)

The March 1970 estimates and benchmark levels for the major industry groups (two-digit SIC) in manufacturing appear in table 3. Of the 21 major groups in this division, 19 were revised by less than 2 percent. Revisions were somewhat larger for the basic component industries, but two-thirds of these differed by less than 3 percent and only about one-tenth differed by 5 percent or more.

*Of the Division of Industry Employment Statistics.

Table 1. Comparison of BLS nonagricultural employment estimates with benchmarks by industry division, March 1970

(Employment in thousands)

Industry division	Benchmark	Estimate	Differences between benchmark and estimates	
			Amount	Percent
Total -----	70, 448	70, 460	12	(¹)
Mining -----	610	610	0	0.0
Contract construction -----	3, 157	3, 161	4	.1
Manufacturing -----	19, 782	19, 794	12	.1
Durable goods -----	11, 612	11, 607	-5	-.1
Nondurable goods -----	8, 170	8, 187	17	.2
Transportation and public utilities -----	4, 448	4, 443	-5	-.1
Wholesale and retail trade -----	14, 679	14, 700	21	.1
Wholesale trade -----	3, 776	3, 797	21	.6
Retail trade -----	10, 903	10, 903	0	.0
Finance, insurance, and real estate -----	3, 650	3, 639	-11	-.3
Services -----	11, 478	11, 433	-45	-.4
Government -----	12, 644	12, 680	36	.3
Federal -----	2, 758	2, 758	0	.0
State and local -----	9, 886	9, 922	36	.4

¹ Less than 0.05 percent.

Table 2. Distribution of published 3-digit SIC industries by size of industry, and percent difference between BLS estimates and March 1970 benchmarks

Percent difference	Total number of industries	Size of industry (number of employees)			
		Under 50,000	50,000 to 99,999	100,000 to 199,999	200,000 and over
Total ---	201	25	38	60	78
0-0.9-----	80	6	9	22	43
1.0-2.9-----	81	11	17	27	26
3.0-4.9-----	27	5	8	8	6
5.0 and over -	13	3	4	3	3

Why estimates differ from benchmarks

One reason for differences between estimates and benchmarks lies in the limitation of any sample in representing a universe; that is, a certain amount of error is to be expected from sample-derived estimates. A complete monthly count of employment would reflect all changes in the level from month to month, but complete coverage involving several million reports each month would be prohibitively expensive and time consuming. Derived from a

sample of approximately 160,000 establishments, the BLS payroll series provides estimates at moderate cost within a month following the reference week.

A second reason for differences between estimates and benchmarks is the procedure used in keeping the industrial classification of establishments up to date. Establishments are classified by industry according to their major activities which are determined by the principal product produced or handled, or services rendered. Many establishments engage in more than one activity. When the composition of their output or services changes such that what was once a secondary product or activity becomes a primary one, the classification of the establishment is changed to the industry of its new major activity. This change is not introduced into the employment estimates at the time it occurs but at the time of the annual benchmark adjustment based on product information reported annually. Thus, differences between estimates and benchmarks for an industry may result because the estimates are tied to the former benchmark levels and do not reflect intervening classification changes for individual establishments. At the more detailed industry levels, particularly

Table 3. Comparison of manufacturing employment estimates with benchmarks by major industry group, March 1970

(Employment in thousands)

Major group	Benchmark	Estimate	Differences between benchmark and estimates	
			Amount	Percent
Manufacturing -----	19,782	19,794	12	0.1
Durable goods -----	11,612	11,607	-5	(¹)
Ordnance and accessories-----	263.5	271.0	7.5	2.8
Lumber and wood products-----	570.7	578.6	7.9	1.4
Furniture and fixtures-----	468.9	468.6	-.3	-.1
Stone, clay, and glass products-----	635.9	635.1	-.8	-.1
Primary metal industries-----	1,347.3	1,338.1	-9.2	-.7
Fabricated metal products-----	1,411.0	1,416.1	5.1	.4
Machinery, except electrical-----	2,075.4	2,058.3	-17.1	-.8
Electrical equipment and supplies-----	1,996.6	1,983.2	-13.4	-.7
Transportation equipment-----	1,946.8	1,963.4	16.6	.9
Instruments and related products-----	471.0	471.3	.3	.1
Miscellaneous manufacturing-----	424.7	423.0	-1.7	-.4
Nondurable goods -----	8,170	8,187	17	.2
Food and kindred products-----	1,721.9	1,735.6	13.7	.8
Tobacco manufactures-----	76.4	73.8	-2.6	-3.4
Textile mill products-----	989.0	977.3	-11.7	-1.2
Apparel and other textile products-----	1,391.3	1,402.8	11.5	.8
Paper and allied products-----	711.2	714.9	3.7	.5
Printing and publishing-----	1,112.8	1,112.3	-.5	(¹)
Chemicals and allied products-----	1,060.3	1,064.1	3.8	.4
Petroleum and coal products-----	188.2	189.7	1.5	.8
Rubber and plastics products, n. e. c-----	592.7	585.0	-7.7	-1.3
Leather and leather products-----	325.8	331.6	5.8	1.8

¹ Less than 0.05 percent.

within manufacturing, changes in classification are the major cause of benchmark adjustment.

A third reason for benchmark differences arises from the use of bias adjustment factors based on past experience. The benchmark link-relative employment estimating technique, which is a form of ratio estimation, results in biased estimates, because this technique cannot measure the employment of new firms entering the economy during the current month. The size of the bias (the influence of the employment of new firms) is considered negligible for most purposes; however, in the BLS establishment survey, for which the previous month's estimate is used to compute the current month's estimate, such bias would cumulate if counteracting steps were not taken. Accordingly, small bias correction factors are applied to the employment estimates each month. Because the size of these factors must be determined by past experience, small errors may arise if the rate at which new firms enter an industry increases

or decreases. Between 1969 and 1970, the effect of new firms entering manufacturing industries apparently was slightly less than anticipated.

A fourth, generally infrequent, cause of benchmark differences arises from improvements in the quality of the benchmark data. The most recent example of this type of revision was the more comprehensive data on religious and charitable institutions which the 1965 benchmark revision introduced into the employment levels.

In most instances of recent benchmark revisions, the estimates for major industry divisions have varied from benchmarks by less than 1 percent. A comparison of the size of the revisions made since 1966 is presented in table 4.

The difference between estimates and benchmarks is assumed to have accumulated in constant increments over the previous 12 months. Most series, therefore, are adjusted by wedging

Table 4. Nonagricultural employment estimates by industry division, as a percent of the benchmark, 1966-70

Industry division	1970	1969	1968	1967	1966
Total -----	100.0	99.8	100.4	100.0	99.9
Mining -----	100.0	101.5	101.7	99.5	100.5
Contract construc- tion -----	100.1	99.0	99.5	101.6	99.7
Manufacturing-----	100.1	99.8	99.8	99.5	99.4
Transportation and public utilities ----	99.9	100.4	100.7	99.8	99.8
Wholesale and retail trade -----	100.1	100.0	100.3	100.7	100.1
Finance, insurance, and real estate ----	100.3	100.0	99.2	100.2	99.6
Services -----	99.6	99.1	99.2	99.8	100.3
Government-----	100.3	100.1	102.8	100.0	100.0

or tapering out the difference over the period from the new benchmark to the preceding one, 12 months earlier. Estimates subsequent to the new benchmark are revised by projecting the new level forward to the current month using the sample trend. The latter part of the revision is then subject to further change when the March 1971 benchmarks are established.

Benchmark source material

The most important sources of benchmark information are the tabulations by industry and employment-size group of reporting units for the first quarter of the calendar year, compiled annually by the Manpower Administration. These tabulations provide monthly employment counts of establishments covered under State unemployment insurance laws. Each calendar quarter, covered employers file a report with their respective State employment security agencies. This report includes total employment for the week including the 12th for each month of the quarter. State tabulations of these data, summarized according to industry, are provided to the Bureau of Labor Statistics for benchmark purposes. Unemployment insurance (UI) data account for approximately three-fourths of the total nonagricultural employment benchmark.

A number of industries, such as railroads, private schools, hospitals, and nonprofit organizations, are exempt from mandatory UI coverage. In addition, the UI laws in 28 States (as of January 1970) provide that employers of fewer than a specified number (usually four) of workers be exempt from coverage. Benchmark data for the latter as well as for certain nonprofit institutions are obtained from the tabulations of employment and taxable wages of employees covered under social security laws as published in County Business Patterns by the Bureau of the Census. Beginning in 1972, however, all State unemployment insurance laws should cover employers of one worker or more.

For the remaining industries, benchmark data are obtained from several public and private agencies including the Interstate Commerce Commission (interstate railroads), the American Hospital Association (private nonprofit hospitals), the U.S. Office of Education and the National Catholic Education Association (private schools, colleges, and universities), the U.S. Civil Service Commission (Federal Government), and the Governments Division of the Bureau of the Census (State and local government).

The Bureau's reporting sample is also an important source of benchmark information. Since sample reports are current and are reviewed monthly, reporting errors are disclosed that otherwise may remain undetected. The industry classification of each sample establishment is reviewed annually on the basis of information supplied by the employer. Changes in industry classification of sample reports often precede such changes in other sources of information. Insofar as sample reports are known to differ from the corresponding employer's reports included in other benchmark source material, the data in the other source are modified accordingly.

Relation of benchmarks to other series

Benchmarks are not available for the hours and earnings and labor turnover series. The

levels shown are derived from the BLS reporting sample only. For primary estimating cells, i.e., region and/or size strata within the most detailed industry classifications, the series are computed directly from reported figures. Series for more inclusive categories, however, require a weighting mechanism to yield meaningful averages. The employment benchmarks are used as weights in computing the hours and earnings averages and labor turnover and job vacancy rates for broader industry groupings.

Adjustment of the estimates to new benchmarks may result in reallocation of weights, which, in turn, may change the averages. To influence the average of a broad group, changes in employment have to be relatively large and must affect industries which have substantially higher or lower averages than the other industries in their group. Generally speaking, the introduction of new benchmarks does not change hours and earnings, labor turnover and job vacancy series for broader groupings by more than 0.1 hour, 1 cent, or 0.1 per 100 rate, respectively. The changes caused by the 1970 benchmark revision are summarized in table 5.

Revision of seasonally adjusted data

The BLS uses an adaption of the standard ratio-to-moving average method for seasonally adjusting the employment, weekly hours, and hourly earnings series. This method has a provision for "moving" adjustment factors to take account of changing seasonal patterns. After another year of data is added to a series, a number of the factors for the last few previous years will change slightly, even when the unadjusted figures for previous years remain the same. Thus, at the time of the annual benchmark revision, the seasonally adjusted data are revised back for a period of 10 years (in the present instance, from January 1961 forward), whereas the unadjusted series are unchanged prior to April 1969. The changes in most of the seasonally adjusted levels for

the earlier years, however, may be attributed largely to differences due to rounding.

The BLS seasonal factor method was designed for time series with steady or slowly changing seasonal patterns and therefore does not reflect adequately abrupt shifts in seasonality such as those experienced in retail trade employment over the past 3 years. Special adjustments have been used for many years in seasonally adjusting this employment series to compensate for the shifting date of Easter. However, over the past 3 Christmas seasons, there has been a pronounced shift in the employment patterns of the industry. To compensate for this abrupt change in seasonal behavior, the employment series has been adjusted in two stages—the first for the 1961-67 period and the second stage for the 1968-70 period. Charts 1 to 4 compare the seasonally adjusted series along with the trend-cycle, seasonal, and irregular components of the direct (1961-70) and two stage (1961-67; 1968-70) adjustment processes for the past 4 years. Direct adjustment results in a patterned change in the irregular component for the months of December and January during the 1968-70 period, indicating that some seasonality was not accounted for by the factor. This change does not occur in the two-stage adjustment. Only minor differences show up between the trend-cycle components.

The Bureau also makes special adjustments in seasonally adjusting the employment series for the transportation equipment industry to compensate for the shifting dates of automobile plant retooling during the summer months. The Federal Government series is adjusted to remove the effect of the temporary Christmas postal workers.

New series published

Over the past year the scope and content of Employment and Earnings has broadened. Data on productivity, wages, man-hours, and compensation per man-hour, all of which are important factors in the determination of aggregate economic behavior, have become regular

RETAIL TRADE

CHART 1. SEASONALLY ADJUSTED SERIES

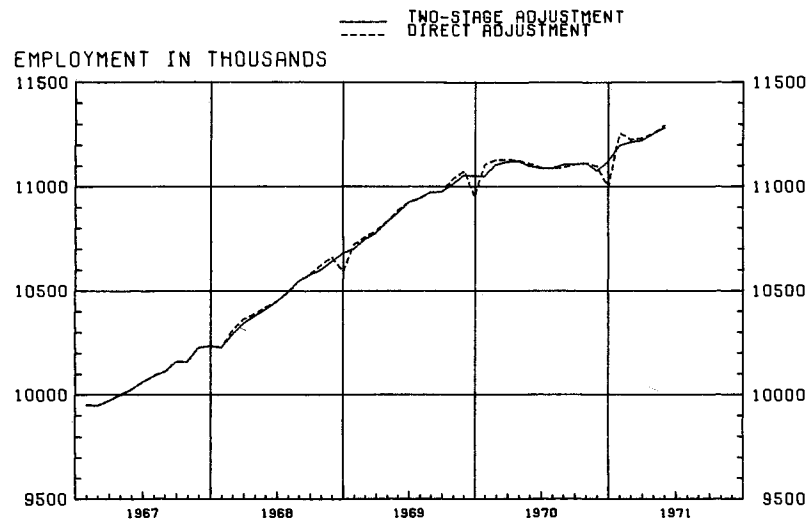
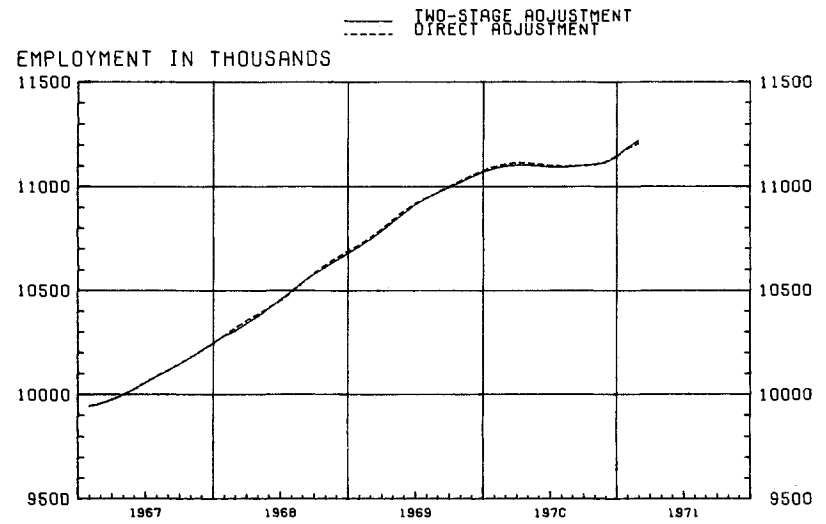


CHART 2. TREND-CYCLE SERIES



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CHART 3. SEASONAL FACTOR SERIES

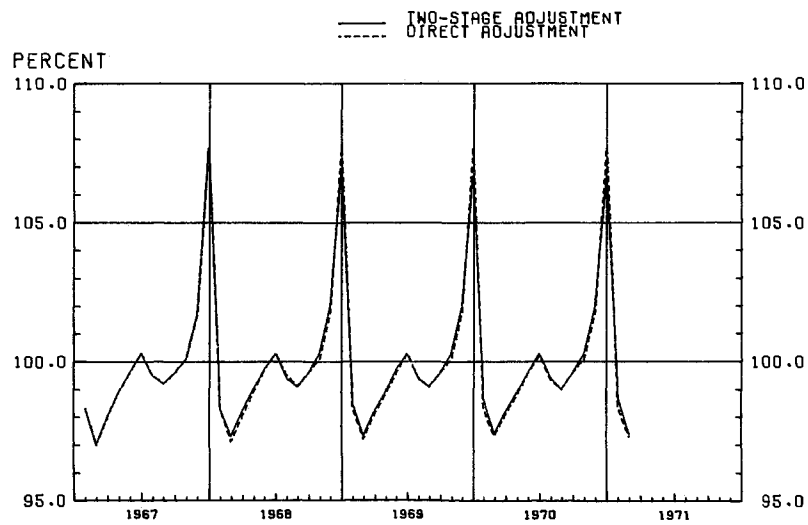


CHART 4. IRREGULAR SERIES

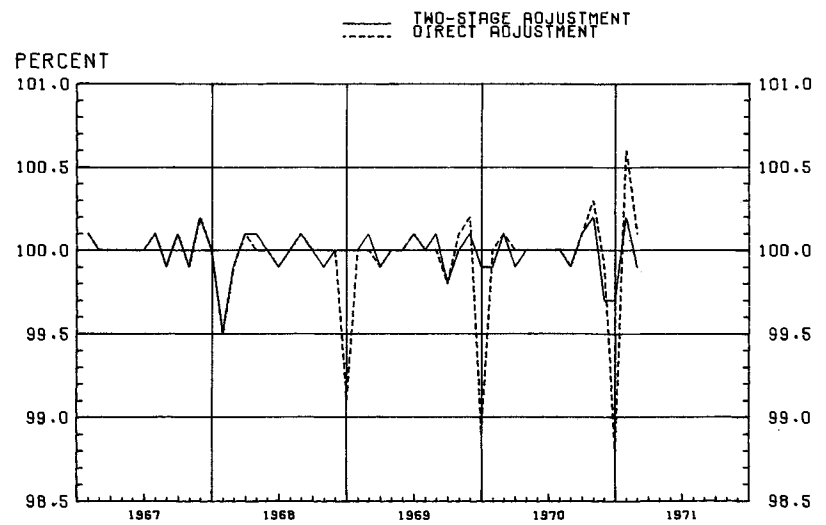


Table 5. Comparison of hours, earnings, and labor turnover estimates based on previous (1969) benchmarks with estimates revised to March 1970 benchmarks, for selected major industries, March 1970

Major industry group	Average weekly hours			Average hourly earnings			Labor turnover accession rates (per 100 employees)		
	Revised estimate	Previous estimate	Difference	Revised estimate	Previous estimate	Difference	Revised estimate	Previous estimate	Difference
Total private -----	37.1	37.2	-.1	3.16	3.17	-.01	-	-	-
Mining-----	42.3	42.4	-.1	3.79	3.78	.01			
Contract construction -----	37.3	37.2	.1	5.08	5.06	.02			
Manufacturing -----	40.0	40.0	0	3.13	3.13	0	3.7	3.7	0
Durable goods-----	40.6	40.6	0	3.51	3.51	0	3.5	3.5	0
Ordnance and accessories -----	40.8	40.8	0	3.56	3.57	-.01	1.4	1.4	0
Lumber and wood products -----	39.5	39.5	0	2.85	2.86	-.01	5.5	5.5	0
Furniture and fixtures -----	39.1	39.1	0	2.72	2.71	.01	4.9	4.9	0
Stone, clay, and glass products -----	41.2	41.3	-.1	3.32	3.32	0	4.7	4.6	.1
Primary metal industries -----	40.8	40.8	0	3.85	3.86	-.01	3.1	3.1	0
Fabricated metal products -----	40.9	40.9	0	3.48	3.48	0	4.2	4.2	0
Machinery, except electrical -----	42.1	42.1	0	3.75	3.75	0	2.8	2.8	0
Electrical equipment and supplies -----	40.1	40.1	0	3.23	3.24	-.01	3.0	3.0	0
Transportation equipment -----	40.0	40.0	0	3.99	4.01	-.02	3.5	3.4	.1
Instruments and related products -----	40.8	40.7	.1	3.29	3.28	.01	2.7	2.7	0
Miscellaneous manufacturing industries -----	39.0	39.0	0	2.80	2.80	0	5.4	5.4	0
Nondurable goods -----	39.2	39.2	0	3.02	3.03	-.01	4.1	4.1	0
Food and kindred products -----	40.0	40.0	0	3.10	3.10	0	5.1	5.1	0
Tobacco manufactures -----	36.4	36.4	0	2.90	2.90	0	2.8	2.9	-.1
Textile mill products -----	40.1	40.1	0	2.42	2.42	0	4.8	4.8	0
Apparel and other textile products -----	35.8	35.8	0	2.37	2.37	0	4.8	4.8	0
Paper and allied products -----	42.0	42.0	0	3.35	3.35	0	3.0	3.0	0
Printing and publishing -----	38.0	38.0	0	3.85	3.84	.01	3.2	3.2	0
Chemicals and allied products -----	41.8	41.8	0	3.60	3.60	0	2.3	2.3	0
Petroleum and coal products -----	41.8	41.8	0	4.24	4.23	.01	2.0	2.0	0
Rubber and plastics products n. e. c -----	40.4	40.4	0	3.15	3.15	0	4.4	4.3	.1
Leather and leather products -----	37.1	37.1	0	2.47	2.47	0	5.1	5.1	0
Transportation and public utilities -----	40.3	40.3	0	3.74	3.74	0			
Trade -----	35.0	35.0	0	2.68	2.68	0			
Finance, insurance, and real estate -----	37.0	37.0	0	3.05	3.05	0			
Services -----	34.4	34.4	0	2.75	2.79	-.04			

items. Job vacancy information for manufacturing industries and employment for the cyclically important goods-producing and expansive service-producing sectors were introduced. With the availability of January 1971 data, all indexes were retabulated using a 1967 base; this base shifting resulted in lower index levels but not in any relative differences except, of course, those arising from rounding.

Beginning with this issue of Employment and Earnings many additional establishment series are being published. Employment, hours, and earnings data for nonsupervisory workers in hospitals (SIC 806) appear for the first time in tables B-2 and C-2. Formerly, seasonally adjusted production workers and man-hour and payroll indexes had been published only for industrial and construction activities. In this

issue, tables B-6, C-6, and C-8 have been expanded to include data for total private non-agricultural industries and private service-producing industries (transportation and public utilities, trade, finance, and services divisions). In addition, production-worker weekly overtime hours in 46 four-digit manufacturing industries are being published. Table 6 contains annual average weekly overtime in these industries for the 3 most recent years.

Employment for some industries not published monthly

Monthly employment estimates are published for most of the significant industries in the nonagricultural sector. Those industries for which monthly data are not published either are too small or do not meet established publication standards. Employment benchmarks for these industries are presented in table 7.

Table 6. Annual average weekly overtime hours for selected 4-digit manufacturing industries, 1968-70

Industry	SIC	1970	1969	1968
<u>Durable goods</u>				
Wood household furniture -----	2511	2.5	3.7	3.7
Pressed and blown glass, n. e. c -----	3229	3.0	3.3	3.5
Blast furnaces and steel mills -----	3312	2.2	3.0	2.8
Gray iron foundries -----	3321	3.8	5.1	5.6
Steel foundries -----	3323	4.2	5.0	3.8
Aluminum rolling and drawing -----	3352	3.4	4.6	5.3
Nonferrous wire drawing and insulating -----	3357	4.3	5.0	4.5
Fabricated structural steel -----	3441	3.5	3.8	3.7
Fabricated plate work (boiler shops) -----	3443	3.4	4.3	3.4
Construction and mining machinery -----	3531, 2	3.3	4.2	3.5
Machine tools, metal cutting types -----	3541	3.3	5.4	4.7
Machine tool accessories -----	3545	2.4	4.1	3.7
Pumps and compressors -----	3561	3.3	3.9	3.9
Ball and roller bearings -----	3562	2.2	4.6	3.9
Power transmission equipment -----	3566	3.0	4.7	3.5
Refrigeration machinery -----	3585	2.6	3.4	2.7
Electric measuring instruments -----	3611	1.3	2.4	2.1
Motors and generators -----	3621	2.8	4.0	3.2
Industrial controls -----	3622	1.7	3.1	2.2
Electric housewares and fans -----	3634	2.0	2.6	2.4
Electric lamps -----	3641	2.5	2.1	2.3
Lighting and fixtures -----	3642	1.9	2.6	2.7
Wiring devices -----	3643, 4	2.0	2.9	2.4
Radio and TV communication equipment -----	3662	2.4	2.9	2.9
Electron tubes -----	3671-3	1.8	2.1	1.7
Other electronic components -----	3673, 9	1.7	2.2	2.3
Motor vehicles -----	3711	3.3	4.0	6.2
Motor vehicle parts and accessories -----	3714	3.3	4.4	5.8
Aircraft -----	3721	2.2	3.1	3.3
Aircraft engines and engine parts -----	3722	2.8	3.3	3.7
Other aircraft parts and equipment -----	3723, 9	3.8	4.2	5.1
Mechanical measuring devices -----	3821	2.7	3.3	2.5
Automatic temperature controls -----	3822	1.8	2.9	2.8
<u>Nondurable goods</u>				
Meat packing plants -----	2011	5.1	5.1	5.1
Men's and boys' shirts and nightwear -----	2321	1.2	1.2	1.0
Men's and boys' work clothing -----	2328	1.1	1.2	1.0
Women's and misses' dresses -----	2335	1.0	1.2	1.2
Women's and misses' suits and coats -----	2337	1.2	1.3	1.3
Women's and misses' outerwear, n. e. c -----	2339	1.2	1.4	1.3
Corrugated and solid fiber boxes -----	2653	3.9	5.3	5.3
Commercial printing, except lithographic -----	2751	3.1	3.7	3.4
Commercial printing, lithographic -----	2752	3.5	4.1	3.7
Industrial organic chemicals, n. e. c -----	2818	3.4	3.4	3.4
Industrial inorganic chemicals, n. e. c -----	2819	3.4	3.3	3.0
Plastics materials and resins -----	2821	3.9	4.5	4.5
Synthetic fibers -----	2823, 4	1.8	2.0	2.3

TABLE 7: EMPLOYMENT ESTIMATES FOR INDUSTRIES NOT PUBLISHED MONTHLY—MARCH 1959, and 1961- 1970

Industry title	Industry code	All employees (in thousands)										
		March 1970	March 1969	March 1968	March 1967	March 1966	March 1965	March 1964	March 1963	March 1962	March 1961	March 1959
Total industries ¹		70,448	69,022	66,475	64,662	62,285	59,058	56,898	55,289	54,230	52,629	52,019
Mining ¹	10-14	610	601	584	610	617	618	615	614	645	658	731
Lead and zinc ores	103	9.9	9.7	8.9	10.6	11.5	11.6	11.1	9.7	10.8	10.9	12.3
Other metal ores	104-6,8,9	21.2	19.7	18.4	18.0	16.9	16.0	15.9	17.3	19.3	21.0	20.6
Anthracite mining	11	5.5	5.6	6.1	7.0	8.5	9.4	11.6	11.4	12.1	14.1	18.6
Nonmetallic minerals, exc. fuels, nec.	141,5,7-9	37.8	37.9	39.1	40.0	39.5	36.8	35.2	34.8	35.4	36.4	35.8
Contract construction ¹	15-17	3,157	3,107	2,981	2,875	2,989	2,795	2,668	2,518	2,480	2,457	2,562
Carpentering and flooring	175	82.9	86.5	82.5	77.2	87.8	82.7	81.6	74.6	71.1	68.7	70.8
Concrete work	177	66.2	66.0	61.5	55.9	62.7	57.4	60.3	56.9	56.1	48.7	52.3
Other special trade contractors	178,9	323.2	312.5	297.2	278.9	279.4	258.0	240.5	225.9	226.5	220.1	221.4
Water well drilling	178	12.2	12.4	12.6	12.9	13.8	13.8	13.2	-	-	-	-
Misc. special trade contractors	179	311.0	300.1	284.6	266.0	265.6	244.2	227.3	-	-	-	-
Manufacturing ¹	19-39	19,782	20,017	19,940	19,355	18,759	17,621	16,968	16,731	16,614	15,915	16,441
Durable goods ¹	19,24,25,32-39	11,612	11,847	11,498	11,454	10,995	10,120	9,665	9,477	9,369	8,803	9,296
Ammunition, exc. for small arms, nec. ²	1929	81.4	113.6	95.9	68.3	25.4	15.5	20.9	21.0	14.7	9.1	9.5
Sighting and fire control equipment	194	15.2	17.0	18.0	14.5	12.6	12.3	15.6	21.0	32.1	33.7	43.6
Other ordnance and accessories	191,3,5,6,9	61.1	71.1	64.0	66.6	45.6	39.4	47.7	52.1	53.4	45.5	41.4
Special product sawmills and planing mills	2426,9	34.0	37.8	37.5	37.4	39.6	37.9	35.1	33.7	34.2	31.9	35.1
Prefabricated wood structure	2433	23.9	20.7	16.9	15.0	18.3	16.0	15.4	12.9	13.3	12.6	12.6
Veneer and plywood containers and cooperage	2443,5	7.1	7.3	8.1	8.1	8.0	8.1	8.3	8.6	9.0	9.5	10.6
Other household furniture	2514,9	37.5	37.1	36.8	34.7	35.8	35.4	33.3	33.2	32.9	30.1	34.1
Public building furniture	253	27.5	30.2	28.4	27.9	27.3	23.2	22.1	20.2	19.6	19.7	20.9
Miscellaneous furniture and fixtures	259	23.4	24.6	23.6	23.6	22.9	22.6	21.3	20.1	20.1	19.1	21.9
Products of purchased glass	323	27.9	28.0	27.2	22.4	23.0	21.1	19.6	18.9	18.0	16.2	17.0
Clay refractories	3255	13.6	14.0	13.6	15.2	14.9	14.3	13.1	12.8	14.7	14.1	16.1
Other structural clay products	3253,9	19.6	21.5	21.0	21.3	24.0	23.2	24.8	24.1	23.2	23.6	25.8
Cut stone and stone products	328	15.6	16.1	16.4	16.6	17.2	17.9	18.2	17.5	17.5	18.0	18.0
Misc. nonmetallic mineral products	329	120.4	122.0	118.3	117.7	116.4	109.0	105.6	100.3	100.0	94.0	104.9
Asbestos products	3292	25.3	26.1	25.8	24.9	25.7	23.7	23.2	21.9	23.1	22.4	22.2
Misc. nonmetallic mineral products, n e c.	3293,5-7,9	68.1	68.6	66.0	65.7	64.4	60.7	58.7	55.1	53.7	50.6	54.3
Steel pipe and tubes	3317	28.1	29.3	28.9	27.4	27.1	24.6	22.3	21.1	22.7	21.5	26.6
Other basic steel products	3313,5,6	53.5	53.0	51.8	53.0	52.5	52.0	48.8	47.9	50.7	44.0	51.4
Steel wire and related products	3315	21.4	21.2	20.7	22.5	21.3	21.0	20.4	-	-	-	-
Cold finishing of steel shapes	3316	19.2	19.8	19.7	19.7	18.6	18.7	16.4	-	-	-	-
Primary nonferrous metals	333	72.1	67.5	52.1	65.4	60.7	57.8	55.0	52.9	54.0	52.1	57.9
Primary copper	3331	17.0	15.0	6.4	16.4	16.0	15.4	15.3	15.4	15.9	14.4	14.9
Primary lead	3332	3.7	3.4	1.8	3.4	3.4	3.3	3.2	3.2	3.3	4.8	5.4
Primary zinc	3333	10.0	10.3	7.9	10.2	9.6	9.3	8.9	8.7	9.0	7.3	9.8
Primary aluminum ²	3334	31.4	29.5	27.3	26.2	23.6	22.2	20.7	18.1	17.9	16.3	19.0
Primary nonferrous metals, n e c.	3339	10.0	9.3	8.7	9.2	8.2	7.6	6.9	7.5	7.9	9.3	8.8
Secondary nonferrous metals	334	17.4	17.8	16.7	16.2	15.5	14.8	13.9	13.8	14.0	12.5	13.2
Nonferrous rolling and drawing, n e c.	3356	22.9	23.1	24.2	24.1	22.3	19.4	17.7	17.3	17.2	17.3	16.9
Brass, bronze, and copper castings	3362	19.2	19.3	18.6	19.1	18.9	17.6	16.6	-	-	-	-
Nonferrous castings, n e c.	3369	21.9	26.9	24.4	25.3	26.4	22.4	20.4	-	-	-	-
Misc. primary metal products, n e c.	3392,9	26.8	26.6	25.6	24.4	22.6	19.8	18.8	17.9	18.1	15.6	14.8
Hand and edge tools, n e c.	3423	44.0	44.6	41.7	43.4	41.5	39.0	36.9	-	-	-	-
Cutlery, handsaws, and saw blades	3421,5	21.7	21.4	21.4	22.3	21.2	20.2	18.0	-	-	-	-
Metal sanitary ware	3431	14.5	14.6	13.3	12.9	13.8	14.3	14.6	-	-	-	-
Plumbing fittings and brass goods	3432	24.6	24.7	23.2	24.9	23.1	22.9	21.7	-	-	-	-
Architectural metal work	3446	29.0	27.9	27.1	24.8	25.5	23.6	19.5	-	-	-	-
Miscellaneous metal work	3449	21.3	19.4	18.6	17.3	16.6	15.4	15.2	-	-	-	-

See footnotes at end of table.

TABLE 7: EMPLOYMENT ESTIMATES FOR INDUSTRIES NOT PUBLISHED MONTHLY - MARCH 1959, and 1961 - 70 - Continued

Industry title	Industry code	All employees (in thousands)										
		March 1970	March 1969	March 1968	March 1967	March 1966	March 1965	March 1964	March 1963	March 1962	March 1961	March 1959
Durable goods -- Continued												
Metal barrels, drums, and pails.....	3491	13.6	13.8	12.8	12.8	11.3	11.1	10.4	10.8	10.8	10.8	10.1
Misc. fabricated metal products, n e c.....	3492, 3, 6, 7, 9	50.3	48.0	44.6	46.3	48.1	45.5	43.6	40.4	37.5	32.4	32.0
Construction machinery.....	3531	137.3	129.3	126.8	125.6	122.7	113.9	107.0	-	-	-	-
Mining machinery.....	3532	26.8	25.6	24.7	25.7	25.5	23.7	20.8	-	-	-	-
Elevators and moving stairways.....	3534	16.3	15.2	14.7	15.1	15.8	15.7	15.1	14.2	13.9	13.1	13.3
Conveyors and conveying equipment.....	3535	26.5	25.9	25.1	24.2	23.2	21.3	18.4	-	-	-	-
Hoists, cranes, and monorails.....	3536	17.3	17.6	11.9	16.9	16.3	14.3	13.1	-	-	-	-
Industrial trucks and tractors ²	3537	35.6	34.0	32.3	31.3	30.0	25.0	23.4	20.2	19.9	18.7	18.2
Machine tools, metal forming types.....	3542	26.2	25.3	25.8	26.6	25.4	22.7	21.0	-	-	-	-
Metal working machinery, n e c.....	3548	53.3	53.1	52.9	54.0	50.7	48.6	46.5	-	-	-	-
Paper industries machinery.....	3554	19.8	21.5	21.8	23.0	20.9	20.1	19.3	18.6	17.5	16.8	15.8
Other special industry machinery.....	3553, 9	68.2	64.1	63.4	67.9	66.1	60.6	57.8	53.8	54.6	51.0	55.6
Blowers and fans ²	3564	33.4	31.3	31.2	30.7	28.5	27.4	24.3	24.2	23.2	21.4	21.1
Other general industrial machinery & equipment.....	3565, 7, 9	65.4	64.4	61.2	63.0	60.4	54.1	48.4	47.8	45.7	42.9	39.4
Typewriters.....	3572	20.0	19.6	24.8	25.6	20.4	18.6	18.6	18.9	18.6	20.5	21.6
Calculating and accounting machines.....	3574	41.5	39.9	37.9	40.2	-	-	-	-	-	-	-
Scales, balances, & office machines, n e c.....	3576, 9	33.7	31.9	28.1	28.3	26.9	24.8	24.5	24.0	24.8	23.3	22.8
Other service industry machinery.....	3581, 2, 6, 9	49.8	50.3	48.2	47.3	45.2	41.2	39.2	38.7	39.5	36.9	34.5
Carbon and graphite products.....	3624	13.9	13.5	13.4	13.4	12.8	12.2	11.8	11.1	11.2	10.8	10.5
Other electrical industrial apparatus.....	3623, 9	29.3	28.2	24.9	25.7	25.0	22.8	20.8	20.3	23.9	22.2	20.6
Sewing machines.....	3636	8.0	8.7	8.5	9.3	8.9	9.1	10.2	9.6	9.5	11.5	10.6
Other household appliances.....	3631, 5, 9	45.0	45.8	43.9	40.4	38.1	39.0	38.5	36.4	35.7	35.2	37.3
Current-carrying wiring devices.....	3643	77.2	77.3	75.1	80.9	72.5	61.9	54.4	-	-	-	-
Noncurrent-carrying wiring devices.....	3644	22.4	21.1	22.5	21.7	20.4	18.0	17.0	-	-	-	-
Semiconductors.....	3674	127.5	104.5	107.7	96.6	97.5	69.4	48.0	-	-	-	-
Electronic components, n e c.....	3679	205.5	206.3	201.4	219.6	199.6	157.9	147.6	-	-	-	-
Storage batteries.....	3691	23.8	20.7	21.1	22.4	20.5	19.3	17.8	18.0	17.3	15.8	16.1
Primary batteries, dry and wet.....	3692	11.6	13.7	11.8	10.6	10.0	8.5	8.5	8.2	9.5	8.3	9.4
Other misc. electrical machinery.....	3693, 9	22.2	20.9	19.0	17.6	16.8	14.6	14.8	15.7	16.7	16.3	16.6
Truck trailers ²	3715	28.8	30.4	27.1	27.1	28.5	23.6	22.4	21.2	19.6	15.4	20.1
Locomotives and parts.....	3741	16.3	15.4	16.5	18.4	19.7	19.6	17.1	16.1	15.1	12.8	17.2
Railroad and street cars.....	3742	38.2	35.1	31.7	39.3	40.1	35.5	32.3	27.0	25.2	21.6	22.2
Motorcycles, bicycles, and parts.....	375	13.2	13.8	12.2	11.5	11.1	8.7	9.0	-	-	-	-
Miscellaneous transportation equipment.....	379	95.7	88.2	62.9	50.9	51.3	43.9	38.8	-	-	-	-
Optical instruments and lenses.....	383	18.9	19.6	19.6	19.4	16.9	14.6	14.1	13.8	12.7	12.2	10.9
Precious metal jewelry & lapidary work.....	3911-3	38.3	39.2	37.0	36.2	34.4	32.0	30.0	29.7	30.5	28.7	27.6
Silverware and plated ware.....	3914	13.6	14.1	15.0	14.7	14.3	13.0	12.4	11.5	11.4	13.3	15.0
Miscellaneous manufactures.....	399	143.1	142.8	142.6	143.8	144.1	140.6	137.6	134.1	133.9	130.0	136.5
Nondurable goods ¹												
Condensed and evaporated milk.....	2023	12.3	12.6	13.0	13.7	13.1	13.7	13.4	14.1	14.5	15.2	16.0
Cheese and creamy butter.....	2021, 2	32.4	32.5	33.9	34.7	34.8	33.7	34.6	36.6	38.7	40.0	39.4
Canned specialties.....	2032	28.1	30.3	30.5	29.9	29.6	27.4	27.1	-	-	-	-
Canned fruits and vegetables.....	2033	79.7	78.9	72.7	76.8	73.6	70.6	66.5	-	-	-	-
Dehydrated and pickled foods.....	2034, 5	31.8	30.8	29.4	29.4	29.6	27.0	27.0	26.9	25.9	26.3	25.6
Wet corn milling.....	2046	16.7	16.8	17.0	17.0	17.1	17.2	17.0	16.8	16.9	16.4	17.2
Other grain mill products.....	2043-5	23.4	23.9	22.4	22.5	22.4	21.5	21.7	21.6	21.0	20.6	20.8
Raw cane sugar.....	2061	7.9	6.1	9.2	9.0	9.8	10.1	9.9	9.4	8.6	9.1	9.6
Cane sugar refining.....	2062	11.6	11.5	11.8	11.8	11.6	12.0	12.9	13.2	13.5	14.6	16.3
Beet sugar.....	2063	13.9	11.3	8.8	8.9	9.5	9.2	10.8	7.2	7.0	7.3	7.1
Chocolate and cocoa prod., chewing gum.....	2072, 3	16.4	15.7	15.2	15.2	14.2	13.6	15.1	14.6	14.7	14.6	13.5
Distilled liquor, except brandy.....	2085	23.2	22.8	20.4	21.1	21.6	18.9	19.5	20.1	20.0	20.5	21.3
Other beverages and related prod.....	2083, 4, 7	22.5	21.1	20.4	20.7	19.5	19.3	18.2	17.3	17.3	17.4	17.8
Vegetable oil mills.....	2091-3	17.1	16.7	16.0	17.7	19.5	19.5	19.7	20.1	20.3	21.3	22.6

See footnotes at end of table.

TABLE 7: EMPLOYMENT ESTIMATES FOR INDUSTRIES NOT PUBLISHED MONTHLY—MARCH 1959, and 1961 - 70 — Continued

Industry title	Industry code	All employees (in thousands)										
		March 1970	March 1969	March 1968	March 1967	March 1966	March 1965	March 1964	March 1963	March 1962	March 1961	March 1959
Nondurable goods — Continued												
Miscellaneous food preparations.....	2094-9	129.6	127.5	125.9	124.6	123.8	121.2	120.4	121.2	120.4	118.1	116.3
Chewing and smoking tobacco	213	4.7	4.6	4.9	4.9	5.0	5.2	5.7	5.7	5.7	5.9	6.5
Tobacco stemming and redrying	214	10.8	11.1	11.4	11.4	13.0	12.4	14.1	13.6	14.2	13.7	12.8
Knit fabric and knitting mills, n e c.....	2256, 9	44.1	38.8	33.5	31.8	29.7	26.4	25.1	22.3	20.3	19.3	18.3
Yarn mills	2281, 3	94.6	97.6	89.9	86.5	89.2	82.3	79.1	76.2	79.5	76.1	87.1
Yarn throwing, winding, & thread mills	2282, 4	35.8	31.0	29.8	27.6	25.5	24.5	24.5	23.5	23.3	20.6	21.4
Cordage and twine.....	2298	9.9	11.1	11.1	11.6	10.9	10.9	11.5	11.0	10.2	9.6	11.4
Misc. textile goods, n e c.....	2291-7, 9	66.4	71.2	69.4	66.0	66.8	60.0	55.5	55.4	56.0	53.5	61.1
Men's and boys' underwear.....	2322	18.6	18.9	17.9	18.3	17.0	15.7	14.3	14.4	14.1	13.1	12.4
Men's and boys' neckwear & clothing, n e c.....	2323, 9	70.6	67.4	63.4	64.0	61.3	56.3	52.0	51.5	50.2	45.4	46.0
Children's other outerwear.....	2363, 9	40.7	43.0	45.1	43.1	45.0	45.4	39.7	43.1	43.1	40.3	39.5
Fur goods	237	5.4	6.8	7.5	7.4	8.3	7.8	8.1	7.9	8.3	7.8	8.8
Miscellaneous apparel & accessories	238	69.1	70.2	72.3	72.1	68.9	66.3	63.2	63.0	63.0	59.4	59.6
Fabric dress and work gloves.....	2381	15.7	16.1	15.6	16.0	15.4	14.8	14.5	14.8	14.4	13.8	14.4
Other apparel and accessories	2384-7, 9	53.4	54.1	56.7	56.1	53.5	51.5	48.7	49.1	48.6	45.6	45.2
Textile bags	2393	9.5	9.5	10.7	10.3	9.1	8.5	8.1	8.7	8.9	9.0	9.1
Other fabricated textile prod.....	2394-7, 9	89.5	98.4	100.7	98.3	96.8	93.2	85.2	84.6	81.6	79.0	72.8
Pulp mills	261	13.6	14.5	13.8	11.5	10.4	10.4	—	—	—	—	—
Paper mills, except building paper.....	262	192.7	191.3	187.9	189.6	185.8	185.1	185.7	—	—	—	—
Misc. converted paper products, exc. bags.....	2641, 2, 4-7, 9	146.6	142.1	135.1	134.5	127.0	118.7	112.1	110.7	109.0	102.9	91.6
Paper coating and glazing.....	2641	48.1	47.3	44.1	42.4	39.1	36.6	34.1	—	—	—	—
Envelopes	2642	23.9	23.0	22.3	22.9	21.9	20.5	20.9	—	—	—	—
Other misc. converted paper prod.....	2644-7, 9	74.6	71.8	68.7	69.2	66.0	61.6	57.1	—	—	—	—
Folding paperboard boxes	2651	48.2	47.3	48.0	44.7	43.1	41.9	42.6	—	—	—	—
Set-up paperboard boxes.....	2652	19.3	20.2	20.0	20.2	20.9	20.6	20.0	—	—	—	—
Building paper and board mills.....	266	13.9	14.0	12.6	13.6	14.9	14.4	14.9	—	—	—	—
Sanitary food containers ²	2654	31.8	29.8	31.3	31.0	30.0	28.4	30.1	29.8	28.2	27.0	22.4
Fiber cans, drums, & related material.....	2655	20.0	20.5	18.8	17.2	15.2	14.6	14.0	14.0	13.0	10.9	12.6
Book publishing	2731	75.7	70.8	70.7	66.4	61.3	56.9	54.8	—	—	—	—
Book printing	2732	27.1	26.0	24.5	27.9	26.2	24.0	22.3	—	—	—	—
Engraving and plate printing.....	2753	11.3	11.7	11.4	11.1	11.1	11.1	10.6	11.0	10.7	10.3	10.5
Greeting card publishing.....	277	27.2	26.0	25.3	25.0	22.5	20.5	19.7	19.5	19.6	19.1	18.5
Misc. publishing & printing ind.....	274, 6, 9	118.6	116.0	113.5	109.1	103.0	100.0	96.6	92.5	91.7	89.5	83.7
Miscellaneous publishing	274	36.1	35.2	34.7	30.6	29.4	27.9	27.4	—	—	—	—
Manifold business forms	276	40.6	38.4	36.0	35.5	33.1	30.8	28.2	—	—	—	—
Printing trade services	279	41.9	42.4	42.7	43.0	40.5	41.3	41.0	—	—	—	—
Blankbooks and looseleaf binders.....	2782	28.4	27.1	26.3	25.4	23.8	23.0	21.7	—	—	—	—
Book binding and related work.....	2789	29.0	29.7	29.3	31.2	29.5	27.0	26.4	—	—	—	—
Industrial gases, crudes, & pigments.....	2813, 5, 6	69.3	67.3	65.4	63.6	62.1	58.9	56.7	55.0	53.1	51.8	53.4
Synthetic rubber	2822	14.3	13.7	14.0	13.6	13.8	12.8	13.6	13.4	13.0	11.0	10.1
Other drugs and medicines.....	2831, 3	30.9	31.8	30.6	34.2	31.2	30.2	29.1	28.9	27.9	26.6	29.0
Polishing, sanitation, & finishing preparations.....												
Agricultural chemicals, n e c.....	2879	17.9	16.8	16.9	15.6	14.1	13.7	13.4	12.5	12.1	11.3	9.2
Gum and wood chemicals.....	286	6.4	6.9	6.9	6.6	6.9	6.9	7.0	8.5	8.2	8.8	7.7
Miscellaneous chemical products.....	289	106.1	116.7	107.6	100.2	80.7	72.0	70.7	73.5	72.6	69.4	70.1
Explosives ²	2892	38.0	47.8	44.7	38.1	23.9	18.2	17.9	20.1	19.7	17.6	17.6
Other chemical preparations.....	2891, 3, 5, 9	68.1	68.9	62.9	62.1	56.8	53.8	52.8	53.4	52.9	51.8	52.5
Paving and roofing materials.....	295	26.2	25.8	24.5	23.8	24.7	24.5	24.3	—	—	—	—
Misc. petroleum and coal products.....	299	9.4	10.0	9.5	8.7	9.2	8.4	8.3	—	—	—	—
Rubber footwear ²	302	24.2	25.9	26.8	26.5	26.2	29.5	26.7	27.9	26.8	22.9	21.6
Reclaimed and fabricated rubber prod.....	303, 6	152.8	159.4	153.5	149.8	149.7	141.6	135.4	135.4	130.5	118.0	128.3
Footwear cut stock.....	313	12.5	13.6	14.1	13.5	13.6	13.7	13.3	14.6	17.1	17.7	18.2

See footnotes at end of table.

TABLE 7: EMPLOYMENT ESTIMATES FOR INDUSTRIES NOT PUBLISHED MONTHLY—MARCH 1959, and 1961 - 70 - Continued

Industry title	Industry code	All employees (in thousands)										
		March 1970	March 1969	March 1968	March 1967	March 1966	March 1965	March 1964	March 1963	March 1962	March 1961	March 1959
Nondurable goods - Continued												
Luggage ²	316	19.0	20.7	20.8	20.4	20.4	18.3	16.9	16.6	15.7	14.6	15.8
Miscellaneous leather products, n e c.....	312, 5, 9	16.9	16.6	16.7	17.7	17.6	17.5	17.0	16.8	16.7	16.3	17.5
Leather gloves and mittens.....	315	5.3	5.4	5.3	6.0	5.8	6.3	6.1	-	-	-	-
Industrial belting & leather goods, n e c.....	312, 9	11.6	11.2	11.4	11.7	11.8	11.2	10.9	-	-	-	-
Transportation and public utilities ¹	40-49	4, 44.8	4, 328	4, 247	4, 200	4, 064	3, 963	3, 869	3, 847	3, 865	3, 846	3, 959
Class II railroads.....	4011-2	14.1	12.8	14.5	15.6	15.9	16.5	12.3	13.4	15.0	15.6	17.5
Class I switching and terminal companies.....	4013-1	23.8	22.9	23.9	23.6	24.6	27.3	32.0	33.4	36.2	35.7	42.9
Class II switching and terminal companies.....	4013-2	13.3	12.4	13.4	16.1	16.6	12.9	8.6	8.5	9.0	9.7	10.2
Other passenger transit services.....	414, 5, 7	57.0	53.5	49.0	45.1	41.6	37.4	33.6	31.3	27.7	25.3	19.0
School busses.....	415	50.0	46.4	41.8	38.4	35.6	31.3	28.3	-	-	-	-
Charter service & bus terminal facilities.....	414, 7	7.0	7.1	7.2	6.7	6.0	6.1	5.3	-	-	-	-
Trucking and trucking terminals ²	421, 3	986.8	970.3	927.5	909.6	888.2	846.5	804.7	793.6	774.2	729.9	725.7
Water transportation ²	44	210.0	225.3	230.8	234.5	231.0	237.1	222.3	224.1	220.8	222.4	231.7
Deep sea transportation.....	441, 2	67.2	79.1	82.7	86.7	83.2	80.4	82.5	83.2	83.4	84.3	83.3
Great Lakes transportation.....	443	3.8	2.4	3.0	3.0	3.0	3.4	2.8	2.2	2.8	2.8	4.0
River, canal and local waters transportation.....	444, 5	30.9	34.4	34.6	33.8	33.6	32.0	29.8	29.2	29.2	27.6	29.5
Water transportation services.....	446	108.1	109.4	110.5	111.0	111.2	121.3	107.2	109.5	105.4	107.7	114.9
Air transportation services.....	458	32.8	34.4	30.8	27.0	24.1	22.2	21.5	21.4	21.0	20.2	17.2
Transportation services ²	47	108.8	102.0	98.2	98.2	90.3	83.6	81.5	79.5	76.8	74.6	68.6
Communication services, n e c.....	489	17.1	15.4	12.6	9.4	7.9	6.3	6.4	4.9	4.3	4.1	1.6
Wholesale and retail trade ¹	50, 52-59	14, 679	14, 200	13, 622	13, 236	12, 808	12, 242	11, 814	11, 434	11, 213	11, 051	10, 771
Farm product raw materials.....	505	89.4	89.6	90.0	94.1	93.2	92.4	91.2	91.7	92.3	95.2	91.8
Other general merchandising.....	534, 5, 9	329.8	319.3	294.4	272.7	256.7	249.6	242.9	227.5	224.9	219.2	202.8
Candy, nut, and confectionery stores.....	544	27.8	28.4	29.1	30.3	28.3	28.2	29.1	28.8	28.4	31.9	34.2
Retail bakeries.....	546	101.8	99.0	97.8	96.8	97.4	96.3	95.4	95.3	93.0	94.2	90.7
Other food stores.....	545, 9	40.7	39.3	38.8	40.9	45.3	45.4	46.3	45.2	44.3	45.5	47.3
New and used car dealers.....	551	725.1	728.5	698.1	683.1	691.3	669.3	638.6	620.6	591.9	589.5	602.8
Used car dealers.....	552	40.2	42.1	41.9	41.3	45.0	45.3	44.6	43.2	40.7	41.6	42.1
Women's accessory & spec. stores.....	563	33.4	31.3	30.0	30.7	29.3	29.1	31.2	30.5	32.0	35.2	36.3
Other clothing stores.....	564, 7-9	39.9	39.2	38.2	38.5	37.6	36.6	37.6	37.1	36.7	37.4	38.9
Household appliance stores.....	572	86.9	87.5	84.7	83.6	82.5	81.1	80.4	84.1	87.7	89.8	92.4
Radio, television, and music stores.....	573	80.7	78.6	73.2	70.3	65.5	61.0	58.8	58.3	58.7	56.9	55.1
Book and stationery stores ²	594	65.5	63.2	60.1	58.2	54.9	52.6	50.5	51.3	51.9	53.1	52.8
Jewelry stores.....	597	80.8	78.8	75.0	71.5	67.1	63.8	62.2	61.7	62.7	63.1	64.1
Other retail stores.....	592, 3, 5, 9	414.0	384.1	364.6	359.2	340.1	321.6	310.8	297.7	292.0	271.3	256.4
Liquor stores.....	592	81.2	78.3	74.8	72.0	68.6	65.7	62.7	-	-	-	-
Antique stores and secondhand stores.....	593	41.7	40.1	40.0	38.9	39.0	37.9	36.1	-	-	-	-
Sporting goods stores & bicycle shops.....	595	39.5	35.6	32.3	29.6	27.0	24.9	23.9	-	-	-	-
Retail stores, n e c.....	599	251.6	230.1	217.5	218.7	205.5	193.1	188.1	-	-	-	-
Finance, insurance, and real estate ¹	60-67	3, 650	3, 489	3, 313	3, 150	3, 058	2, 978	2, 919	2, 832	2, 757	2, 684	2, 548
Other credit agencies.....	611, 3, 5, 6	66.1	63.0	60.2	57.5	58.9	57.3	55.3	51.5	46.9	43.3	36.6
Other insurance carriers.....	635, 6, 9	44.5	44.3	42.4	39.7	41.9	41.1	43.9	42.9	39.9	38.9	39.6
Subdividers and developers ²	655	82.8	76.1	68.2	63.0	62.6	59.9	58.2	54.3	43.0	42.3	39.9
Other real estate dealers.....	651, 3, 4	518.8	498.3	479.4	465.7	457.6	449.6	435.9	426.0	424.9	412.5	423.8
Real estate operators and lessors.....	651	363.2	356.8	349.6	342.7	333.5	331.3	322.5	-	-	-	-
Agents, brokers, managers, & title abstractors.....	653, 4	155.6	141.5	129.8	123.0	124.1	118.3	113.4	-	-	-	-
Combined real estate, insurance, etc.....	66	36.0	37.4	41.2	44.1	50.7	51.3	51.8	51.7	53.5	54.3	57.2
Holding and other investment companies.....	67	48.7	43.5	34.7	31.8	29.5	27.8	26.9	25.9	22.8	20.7	18.1
Services ¹	70-86, 89, 99, 07-09	11, 478	11, 012	10, 375	9, 837	9, 299	8, 850	8, 229	8, 115	7, 816	7, 470	6, 946
Other lodging places.....	702-4	72.6	67.2	59.6	54.9	56.2	56.2	48.3	46.2	41.4	41.5	40.6

See footnotes at end of table.

TABLE 7: EMPLOYMENT ESTIMATES FOR INDUSTRIES NOT PUBLISHED MONTHLY—MARCH 1959, and 1961 - 70 — Continued

Industry title	Industry code	All employees (in thousands)										
		March 1970	March 1969	March 1968	March 1967	March 1966	March 1965	March 1964	March 1963	March 1962	March 1961	March 1959
Services ¹ — Continued												
Photographic studios ²	722	40.1	39.7	38.6	37.8	36.2	34.5	33.2	32.7	31.8	32.1	31.7
Beauty shops.....	723	261.3	259.0	253.4	240.8	226.1	209.5	195.5	186.6	168.7	156.6	138.1
Barber shops.....	724	61.4	65.4	67.4	69.1	69.7	71.5	71.7	73.7	73.6	73.6	73.4
Funeral services and crematories.....	726	59.2	61.8	60.3	59.0	57.7	56.7	55.6	54.6	53.0	51.6	47.7
Garment pressing, alteration, repair.....	727	29.3	27.7	29.3	30.2	30.9	31.4	30.0	29.7	31.6	31.5	35.1
Other personal services.....	725, 9	36.8	33.0	30.7	28.4	28.3	27.1	26.4	26.8	28.2	28.6	29.6
Duplicating, mailing, stenographic.....	733	69.0	69.1	67.5	66.9	65.0	59.4	58.3	57.8	57.4	54.7	53.0
Services to buildings ²	734	283.2	258.3	233.7	217.2	194.0	173.4	156.8	144.8	129.1	116.2	92.7
Other business services.....	735, 6, 9	1,033.6	953.3	874.2	822.7	745.3	655.6	591.4	542.7	495.7	447.3	373.2
Private employment agencies.....	736	57.6	52.6	44.6	36.3	32.9	26.4	24.4	—	—	—	—
Other miscellaneous business services.....	735, 9	976.0	900.7	829.6	786.4	712.4	629.2	567.0	—	—	—	—
Auto repair, services, and garages.....	75	384.0	363.0	349.9	343.5	334.5	324.4	307.6	296.8	276.8	259.6	239.7
Auto rentals, without drivers.....	751	61.0	56.3	49.6	44.5	40.5	37.5	33.7	29.3	25.2	23.3	19.5
Automobile parking.....	752	41.2	39.7	38.8	37.1	36.4	35.4	34.3	33.9	33.8	33.6	33.2
Auto repair shops and services.....	753, 4	281.8	267.0	261.5	261.9	257.6	251.5	239.6	233.6	217.8	202.7	187.0
Automobile repair shops.....	753	217.7	203.6	200.2	198.4	195.0	194.6	189.4	—	—	—	—
Automobile services, except repair.....	754	64.1	63.4	61.3	63.5	62.6	56.9	50.2	—	—	—	—
Miscellaneous repair services ²	76	182.0	178.1	173.1	167.2	161.2	151.9	145.8	143.8	138.3	132.4	124.1
Electrical repair shops.....	762	60.9	60.3	59.3	54.1	51.0	48.2	47.3	48.9	47.2	44.9	42.2
Other miscellaneous repair services.....	763, 4, 9	121.1	117.8	113.8	113.1	110.2	103.7	98.5	94.9	91.1	87.5	81.9
Motion picture filming.....	7813-5	33.2	38.6	34.8	34.2	35.4	31.1	27.9	28.9	28.6	32.0	25.2
Motion picture distributing.....	7816-8	18.2	15.2	13.3	16.1	13.1	12.8	12.1	12.4	13.4	15.1	18.3
Amusement & recreation services, n e c.....	79	419.9	409.1	393.0	380.6	366.4	354.9	342.0	334.9	318.9	306.9	281.2
Bowling and billiard establishments.....	793	96.2	98.4	98.2	99.1	101.1	103.1	104.7	105.9	101.9	97.9	77.6
Other indoor amusement & recreation.....	791, 2	73.0	73.4	71.2	66.7	65.4	68.1	60.0	59.9	60.7	61.5	65.3
Miscellaneous amusement, recreation services.....	794	250.7	237.3	223.6	214.8	199.9	183.7	177.3	169.1	156.2	147.5	138.3
Offices of physicians and surgeons.....	801	385.0	357.5	330.0	312.1	293.5	280.7	269.2	259.2	239.4	218.4	207.1
Offices of dentists, dental surgeons.....	802	144.0	136.7	124.4	116.7	110.1	105.0	100.9	97.2	92.3	83.4	80.0
Other medical services.....	803, 4, 7, 9	621.8	567.5	493.8	419.7	356.5	318.1	278.2	247.8	255.3	230.4	183.7
Other schools & educational services.....	823, 4, 9	109.6	99.7	86.9	80.0	70.8	64.9	64.2	60.6	47.8	46.8	57.8
Museums, botanical, zoological gardens.....	84	17.3	16.4	15.1	14.4	13.8	13.8	9.6	9.6	9.2	9.2	7.9
Nonprofit membership organizations.....	86	1,681.6	1,650.0	1,581.0	1,497.5	1,447.4	1,417.9	1,423.0	1,393.6	1,374.8	1,342.9	1,247.9
Business associations.....	861	66.4	65.7	63.1	61.9	59.5	57.9	58.0	56.2	54.6	52.2	50.5
Labor organizations.....	863	129.7	124.4	121.7	116.3	113.7	110.1	108.5	107.7	107.9	104.4	101.8
Religious organizations.....	866	956.2	951.5	932.4	910.7	889.7	874.1	853.7	829.7	810.3	791.1	726.8
Charitable organizations.....	867	277.1	268.4	244.5	229.8	218.0	215.5	245.6	245.6	245.6	242.3	217.3
Other nonprofit membership organizations.....	862, 4, 5, 9	252.2	240.0	219.3	178.8	166.5	160.3	157.2	154.4	156.4	152.9	151.5
Other miscellaneous services.....	893, 9	264.0	212.5	189.6	162.2	152.4	144.5	138.6	133.9	129.0	123.0	113.1
Accounting, auditing, & bookkeeping.....	893	241.6	191.6	169.9	143.4	134.2	127.2	122.0	—	—	—	—
Services, n e c.....	899	22.4	20.9	19.7	18.8	18.2	17.3	16.6	—	—	—	—
Agriculture services, forestry, and fisheries.....	07-09	170.0	161.3	155.0	149.3	151.6	142.6	137.5	131.0	127.8	125.7	119.1
Nonclassifiable establishments.....	99	29.4	29.2	23.5	28.4	21.0	21.6	22.1	19.4	26.0	19.7	53.1
Government ¹	91-93	12,644	12,268	11,863	11,399	10,690	9,991	9,574	9,194	8,840	8,548	8,061

¹Includes overall total and industry division totals which are published regularly.

²Monthly data available beginning January 1964.

HOUSEHOLD DATA

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¹ Included in February, May, August, and November issues.

A-1: Employment status of the noninstitutional population, 1929 to date

(In thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force	
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agri- culture	Nonagri- cultural industries	Number	Percent of labor force		
									Not season- ally adjusted		Season- ally adjusted
Persons 14 years of age and over											
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	-	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	-	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	-	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	-	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	-	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	-	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	-	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	-	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	-	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	-	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	-	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	-	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	-	45,850
Persons 16 years of age and over											
1947.....	103,418	60,941	58.9	59,350	57,039	7,891	49,148	2,311	3.9	-	42,477
1948.....	104,527	62,080	59.4	60,621	58,344	7,629	50,713	2,276	3.8	-	42,447
1949.....	105,611	62,903	59.6	61,286	57,649	7,656	49,990	3,637	5.9	-	42,708
1950.....	106,645	63,858	59.9	62,208	58,920	7,160	51,760	3,288	5.3	-	42,787
1951.....	107,721	65,117	60.4	62,017	59,962	6,726	53,239	2,055	3.3	-	42,604
1952.....	108,823	65,730	60.4	62,138	60,254	6,501	53,753	1,883	3.0	-	43,093
1953.....	110,601	66,560	60.2	63,015	61,181	6,261	54,922	1,834	2.9	-	44,041
1954.....	111,671	66,993	60.0	63,643	60,110	6,206	53,903	3,532	5.5	-	44,678
1955.....	112,732	68,072	60.4	65,023	62,171	6,449	54,724	2,852	4.4	-	44,660
1956.....	113,811	69,409	61.0	66,552	63,802	6,283	57,517	2,750	4.1	-	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	-	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	-	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	-	46,960
1960.....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	-	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	-	48,312
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	-	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	-	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	-	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	-	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	-	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	-	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	-	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	-	53,602
1970.....	140,182	85,903	61.3	82,215	78,627	3,462	75,165	4,088	4.9	-	54,280
1970: August.....	140,468	87,249	62.1	84,115	79,895	3,783	76,112	4,220	5.0	5.1	53,220
December.....	141,301	86,165	61.0	83,152	78,515	2,952	75,563	4,637	5.6	6.2	55,137
1971: January.....	141,500	85,628	60.5	82,652	77,238	2,877	74,361	5,414	6.6	6.0	55,872
February.....	141,670	85,653	60.5	82,703	77,262	2,846	74,415	5,442	6.6	5.8	56,017
March.....	141,885	85,598	60.3	82,668	77,493	3,042	74,452	5,175	6.3	6.0	56,286
April.....	142,088	85,780	60.4	82,898	78,204	3,505	74,699	4,694	5.7	6.1	56,308
May.....	142,285	85,954	60.4	83,104	78,709	3,598	75,111	4,394	5.3	6.2	56,331
June.....	142,482	87,784	61.6	84,968	79,478	3,920	75,559	5,490	6.5	5.6	54,698
July.....	142,685	88,808	62.2	86,011	80,681	3,971	76,710	5,330	6.2	5.8	53,877
August.....	142,886	88,453	61.9	85,678	80,618	3,764	76,853	5,061	5.9	6.1	54,433

¹Not available.

A-2: Employment status of the noninstitutional population 16 years and over by sex, 1947 to date

(In thousands)

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
MALE											
1947.....	50,968	44,258	86.8	42,686	40,994	6,643	34,351	1,692	4.0	-	6,710
1948.....	51,439	44,729	87.0	43,286	41,726	6,358	35,368	1,559	3.6	-	6,710
1949.....	51,922	45,097	86.9	43,498	40,926	6,342	34,584	2,572	5.9	-	6,825
1950.....	52,352	45,446	86.8	43,819	41,580	6,001	35,578	2,239	5.1	-	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,533	36,248	1,221	2.8	-	6,725
1952.....	53,248	46,416	87.2	42,869	41,684	5,389	36,294	1,185	2.8	-	6,832
1953.....	54,248	47,131	86.9	43,633	42,431	5,253	37,178	1,202	2.8	-	7,117
1954.....	54,706	47,275	86.4	43,965	41,620	5,200	36,418	2,344	5.3	-	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,357	1,854	4.2	-	7,634
1956.....	55,547	47,914	86.3	45,091	43,380	5,039	38,340	1,711	3.8	-	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	-	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	-	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.3	-	8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	-	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	-	9,633
1962.....	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	-	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	-	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	-	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	-	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	-	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	-	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	-	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	-	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	-	13,066
1970: August.....	67,538	55,633	82.4	52,540	50,333	3,090	47,243	2,207	4.2	4.7	11,905
1971: March.....	68,185	53,875	79.0	50,987	47,979	2,595	45,383	3,008	5.9	5.3	14,310
April.....	68,278	54,218	79.4	51,376	48,734	2,920	45,814	2,642	5.1	5.3	14,060
May.....	68,367	54,390	79.6	51,580	49,127	2,930	46,196	2,453	4.8	5.6	13,977
June.....	68,456	55,920	81.7	53,145	50,173	3,122	47,050	2,972	5.6	5.1	12,536
July.....	68,549	56,730	82.8	53,973	51,066	3,171	47,894	2,908	5.4	5.2	11,820
August.....	68,647	56,307	82.0	53,572	50,905	3,064	47,842	2,667	5.0	5.5	12,340
FEMALE											
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	-	35,767
1948.....	53,088	17,351	32.7	17,335	16,618	1,271	15,347	717	4.1	-	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,314	15,409	1,065	6.0	-	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,182	1,049	5.7	-	35,881
1951.....	54,933	19,054	34.7	19,016	18,182	1,193	16,990	834	4.4	-	35,879
1952.....	55,575	19,314	34.8	19,269	18,570	1,112	17,459	698	3.6	-	36,261
1953.....	56,353	19,429	34.5	19,382	18,750	1,008	17,744	632	3.3	-	36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	-	37,247
1955.....	57,610	20,584	35.7	20,548	19,550	1,184	18,367	998	4.9	-	37,026
1956.....	58,264	21,495	36.9	21,461	20,422	1,244	19,177	1,039	4.8	-	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	-	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	-	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	-	38,053
1960.....	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	-	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	-	38,679
1962.....	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	-	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	-	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	-	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	-	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	-	40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	-	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	-	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	-	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	-	41,214
1970: August.....	72,930	31,615	43.3	31,575	29,562	693	28,869	2,013	6.4	5.9	41,315
1971: March.....	73,700	31,723	43.0	31,682	29,515	447	29,068	2,167	6.8	7.2	41,977
April.....	73,810	31,562	42.8	31,521	29,469	585	28,885	2,052	6.5	7.3	42,248
May.....	73,918	31,564	42.7	31,524	29,583	668	28,915	1,941	6.2	7.2	42,354
June.....	74,026	31,864	43.0	31,823	29,306	797	28,508	2,518	7.9	6.5	42,162
July.....	74,136	32,078	43.3	32,038	29,616	800	28,816	2,422	7.6	6.9	42,058
August.....	74,240	32,146	43.3	32,106	29,712	700	29,012	2,394	7.5	7.0	42,093

A - 3: Employment status of the noninstitutional population by sex, age, and color

August 1971
(In thousands)

Sex, age, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALE											
16 years and over	56,307	82.0	53,572	50,905	2,667	5.0	12,340	267	670	1,695	9,708
16 to 21 years	8,587	75.8	7,547	6,630	918	12.2	2,741	33	379	41	2,288
16 to 19 years	5,452	70.2	5,118	4,441	678	13.2	2,315	31	230	31	2,023
16 and 17 years	2,394	60.1	2,365	2,027	338	14.3	1,590	21	129	10	1,430
18 and 19 years	3,059	80.8	2,753	2,414	340	12.3	725	10	102	20	593
20 to 64 years	48,727	92.5	46,326	44,409	1,918	4.1	3,953	92	440	1,139	2,283
20 to 24 years	8,048	90.0	6,675	6,047	628	9.4	890	5	301	52	533
25 to 54 years	33,522	95.7	32,497	31,410	1,086	3.3	1,509	47	141	606	714
25 to 29 years	6,730	95.7	6,368	6,039	329	5.2	300	5	75	47	173
30 to 34 years	5,630	97.7	5,378	5,206	172	3.2	132	3	34	38	56
35 to 39 years	5,197	96.9	4,957	4,825	132	2.7	168	8	13	65	82
40 to 44 years	5,450	96.1	5,338	5,170	169	3.2	219	9	6	105	99
45 to 49 years	5,546	94.8	5,506	5,369	137	2.5	304	10	9	154	130
50 to 54 years	4,968	92.8	4,949	4,802	147	3.0	387	13	3	197	174
55 to 64 years	7,158	82.2	7,155	6,951	204	2.8	1,554	39	--	480	1,035
55 to 59 years	4,244	89.0	4,241	4,125	116	2.7	523	13	--	205	306
60 to 64 years	2,914	73.9	2,914	2,827	87	3.0	1,031	27	--	276	729
65 years and over	2,128	25.9	2,128	2,056	71	3.4	6,072	144	--	525	5,402
65 to 69 years	1,242	39.8	1,242	1,188	54	4.4	1,879	39	--	138	1,702
70 years and over	885	17.4	885	869	17	1.9	4,192	105	--	387	3,700
White											
16 years and over	50,574	82.5	48,148	45,961	2,187	4.5	10,761	223	551	1,341	8,646
16 to 21 years	7,552	76.9	6,631	5,902	729	11.0	2,265	27	302	35	1,900
16 to 19 years	4,813	71.6	4,517	3,972	545	12.1	1,911	27	174	26	1,685
16 and 17 years	2,133	62.0	2,107	1,826	281	13.3	1,306	18	97	7	1,183
18 and 19 years	2,680	81.6	2,410	2,146	263	10.9	606	9	77	18	501
20 to 64 years	43,792	93.0	41,663	40,084	1,579	3.8	3,315	70	377	893	1,974
20 to 24 years	7,067	90.2	5,838	5,338	500	8.6	765	2	264	40	459
25 to 54 years	30,161	96.2	29,264	28,371	892	3.0	1,179	37	114	450	579
25 to 34 years	11,021	97.1	10,484	10,086	398	3.8	328	6	84	51	186
35 to 44 years	9,562	97.0	9,257	8,998	259	2.8	298	11	18	132	138
45 to 54 years	9,578	94.5	9,524	9,288	236	2.5	553	20	12	267	255
55 to 64 years	6,565	82.7	6,562	6,375	187	2.8	1,370	32	--	403	936
55 to 59 years	3,878	89.5	3,875	3,768	108	2.8	455	12	--	179	263
60 to 64 years	2,687	74.6	2,686	2,607	79	2.9	915	19	--	223	673
65 years and over	1,968	26.2	1,968	1,905	63	3.2	5,535	125	--	423	4,987
Negro and other races											
16 years and over	5,733	78.4	5,425	4,945	480	8.8	1,579	44	120	353	1,061
16 to 21 years	1,035	68.5	916	727	189	20.6	476	6	77	6	388
16 to 19 years	639	61.3	602	469	133	22.1	404	4	57	5	338
16 and 17 years	261	47.9	258	201	57	22.0	284	3	32	3	246
18 and 19 years	378	75.9	344	267	76	22.2	120	1	25	2	92
20 to 64 years	4,935	88.5	4,663	4,324	339	7.3	639	21	63	246	308
20 to 24 years	981	88.7	837	709	128	15.3	125	3	37	12	74
25 to 54 years	3,360	91.1	3,233	3,039	193	6.0	329	11	26	157	136
25 to 34 years	1,339	92.8	1,263	1,160	103	8.2	104	2	25	34	43
35 to 44 years	1,085	92.5	1,038	997	42	4.0	88	6	1	38	43
45 to 54 years	936	87.2	931	882	49	5.2	137	3	--	84	50
55 to 64 years	594	76.3	593	576	17	2.9	184	8	--	77	99
55 to 59 years	366	84.2	366	357	9	2.3	69	--	--	25	43
60 to 64 years	228	66.4	228	219	8	3.7	115	7	--	52	56
65 years and over	160	23.0	160	152	8	5.3	536	19	--	102	415

A-3: Employment status of the noninstitutional population by sex, age, and color--Continued
 August 1971
 (in thousands)

Sex, age, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALE											
16 years and over	32,146	43.3	32,106	29,712	2,394	7.5	42,093	36,088	638	989	4,378
16 to 21 years	6,191	55.6	6,172	5,350	822	13.3	4,935	2,092	478	18	2,347
16 to 19 years	3,960	52.0	3,951	3,358	594	15.0	3,651	1,174	351	8	2,118
16 and 17 years	1,653	42.4	1,653	1,386	267	16.1	2,241	514	166	2	1,559
18 and 19 years	2,308	62.1	2,299	1,972	327	14.2	1,410	661	185	6	559
20 to 64 years	27,168	49.0	27,136	25,367	1,770	6.5	28,276	26,139	281	338	1,516
20 to 24 years	5,264	59.3	5,244	4,701	543	10.4	3,608	2,996	185	32	395
25 to 54 years	17,862	48.6	17,850	16,774	1,076	6.0	18,867	17,762	95	165	844
25 to 29 years	3,152	44.2	3,147	2,881	266	8.5	3,977	3,752	44	17	164
30 to 34 years	2,497	42.0	2,495	2,339	156	6.3	3,446	3,257	14	17	158
35 to 39 years	2,684	48.2	2,682	2,483	199	7.4	2,881	2,707	19	25	130
40 to 44 years	3,066	51.4	3,064	2,897	167	5.4	2,904	2,725	10	30	139
45 to 49 years	3,377	53.7	3,376	3,214	162	4.8	2,910	2,714	8	36	151
50 to 54 years	3,087	52.9	3,086	2,960	126	4.1	2,749	2,607	--	41	101
55 to 64 years	4,043	41.1	4,043	3,891	152	3.8	5,800	5,381	1	141	278
55 to 59 years	2,467	46.7	2,467	2,375	92	3.7	2,817	2,654	1	60	103
60 to 64 years	1,576	34.6	1,576	1,517	60	3.8	2,983	2,727	--	81	175
65 years and over	1,018	9.1	1,018	988	30	2.9	10,167	8,775	7	643	743
65 to 69 years	616	16.2	616	595	21	3.4	3,182	2,901	5	94	182
70 years and over	402	5.4	402	393	8	2.1	6,986	5,874	2	548	561
White											
16 years and over	27,914	42.4	27,879	25,962	1,917	6.9	37,944	32,840	503	779	3,821
16 to 21 years	5,482	57.3	5,466	4,837	629	11.5	4,079	1,719	376	14	1,971
16 to 19 years	3,535	54.1	3,527	3,076	451	12.8	3,003	951	270	7	1,775
16 and 17 years	1,481	44.4	1,481	1,278	202	13.7	1,855	408	119	2	1,326
18 and 19 years	2,054	64.2	2,046	1,797	249	12.2	1,148	542	151	5	450
20 to 64 years	23,467	47.9	23,439	22,001	1,438	6.1	25,550	23,703	225	251	1,372
20 to 24 years	4,582	59.5	4,565	4,138	428	9.4	3,117	2,610	147	21	339
25 to 54 years	15,271	47.1	15,260	14,390	871	5.7	17,118	16,154	77	114	772
25 to 34 years	4,697	41.1	4,691	4,369	322	6.9	6,737	6,370	46	30	291
35 to 44 years	4,879	48.3	4,876	4,583	292	6.0	5,228	4,926	24	36	242
45 to 54 years	5,695	52.5	5,694	5,437	256	4.5	5,152	4,857	8	48	239
55 to 64 years	3,613	40.5	3,613	3,474	139	3.9	5,316	4,939	1	115	261
55 to 59 years	2,196	46.0	2,196	2,109	87	3.9	2,576	2,428	1	49	98
60 to 64 years	1,417	34.1	1,417	1,365	53	3.7	2,740	2,511	--	66	163
65 years and over	913	8.9	913	885	28	3.1	9,390	8,187	7	522	674
Negro and other races											
16 years and over	4,232	50.5	4,227	3,750	477	11.3	4,150	3,248	136	210	556
16 to 21 years	709	45.3	706	513	193	27.3	856	374	102	4	376
16 to 19 years	426	39.7	424	282	142	33.6	648	223	80	1	343
16 and 17 years	172	50.8	172	107	64	37.5	385	105	47	--	234
18 and 19 years	254	49.2	252	174	78	30.9	262	118	34	1	109
20 to 64 years	3,701	57.6	3,698	3,366	332	9.0	2,725	2,437	55	88	146
20 to 24 years	681	58.1	679	564	115	17.0	491	386	37	11	56
25 to 54 years	2,590	59.7	2,589	2,385	204	7.9	1,750	1,609	18	51	72
25 to 34 years	952	58.1	951	851	100	10.5	686	639	12	4	31
35 to 44 years	870	61.0	870	797	74	8.5	557	506	5	18	28
45 to 54 years	768	60.2	768	737	31	4.1	507	464	--	28	14
55 to 64 years	430	47.0	430	417	12	2.9	484	442	--	26	17
55 to 59 years	271	52.9	271	265	6	2.0	241	226	--	11	5
60 to 64 years	159	39.5	159	152	7	4.3	243	216	--	15	12
65 years and over	105	11.9	105	103	2	1.7	777	588	--	121	68

A - 4: Labor force by sex, age, and color

Sex, age, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
MALE								
16 years and over	56,307	55,633	82.0	82.4	53,572	52,540	81.3	81.5
16 to 19 years	5,452	5,254	70.2	69.5	5,118	4,888	68.9	68.0
16 and 17 years	2,394	2,322	60.1	59.7	2,365	2,296	59.8	59.4
18 and 19 years	3,059	2,932	80.8	79.9	2,753	2,591	79.1	77.9
20 to 24 years	8,048	7,802	90.0	91.1	6,675	6,147	88.2	89.0
25 to 54 years	33,522	33,311	95.7	96.0	32,497	32,243	95.6	95.8
25 to 34 years	12,360	12,052	96.6	96.9	11,747	11,400	96.5	96.7
35 to 44 years	10,647	10,776	96.5	96.7	10,295	10,427	96.4	96.6
45 to 54 years	10,514	10,483	93.8	94.2	10,455	10,415	93.8	94.1
55 to 64 years	7,158	7,106	82.2	82.6	7,155	7,102	82.2	82.6
55 to 59 years	4,244	4,219	89.0	89.3	4,241	4,216	89.0	89.3
60 to 64 years	2,914	2,887	73.9	74.4	2,914	2,886	73.9	74.4
65 years and over	2,128	2,161	25.9	26.7	2,128	2,161	25.9	26.7
White								
16 years and over	50,574	49,901	82.5	82.6	48,148	47,146	81.7	81.8
16 to 19 years	4,813	4,630	71.6	70.7	4,517	4,300	70.3	69.1
16 and 17 years	2,133	2,046	62.0	60.8	2,107	2,022	61.7	60.5
18 and 19 years	2,680	2,584	81.6	81.1	2,410	2,278	79.9	79.1
20 to 24 years	7,067	6,867	90.2	91.2	5,838	5,379	88.4	89.1
25 to 54 years	30,161	29,950	96.2	96.3	29,264	29,016	96.1	96.2
25 to 34 years	11,021	10,722	97.1	97.1	10,484	10,154	97.0	96.9
35 to 44 years	9,562	9,683	97.0	97.1	9,257	9,380	96.9	97.0
45 to 54 years	9,578	9,545	94.5	94.8	9,524	9,482	94.5	94.7
55 to 64 years	6,565	6,492	82.7	82.9	6,562	6,488	82.7	82.9
55 to 59 years	3,878	3,855	89.5	89.8	3,875	3,851	89.5	89.8
60 to 64 years	2,687	2,637	74.6	74.5	2,686	2,637	74.6	74.5
65 years and over	1,968	1,963	26.2	26.5	1,968	1,963	26.2	26.5
Negro and other races								
16 years and over	5,733	5,732	78.4	80.4	5,425	5,394	77.5	79.5
16 to 19 years	639	624	61.3	62.0	602	588	59.9	60.6
16 and 17 years	261	276	47.9	52.7	258	274	47.6	52.5
18 and 19 years	378	348	75.9	72.3	344	314	74.1	70.1
20 to 24 years	981	935	88.7	90.2	837	767	87.0	88.3
25 to 54 years	3,360	3,361	91.1	92.7	3,233	3,227	90.7	92.4
25 to 34 years	1,339	1,330	92.8	95.5	1,263	1,246	92.4	95.2
35 to 44 years	1,085	1,093	92.5	93.1	1,038	1,047	92.2	92.9
45 to 54 years	936	938	87.2	88.4	931	933	87.1	88.3
55 to 64 years	594	614	76.3	79.7	593	614	76.3	79.7
55 to 59 years	366	364	84.2	84.2	366	364	84.2	84.2
60 to 64 years	228	250	66.4	74.0	228	250	66.4	74.0
65 years and over	160	198	23.0	28.9	160	198	23.0	28.9

A- 4: Labor force by sex, age, and color--Continued

Sex, age, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
FEMALE								
16 years and over	32,146	31,615	43.3	43.3	32,106	31,575	43.3	43.3
16 to 19 years	3,960	3,893	52.0	52.6	3,951	3,885	52.0	52.5
16 and 17 years	1,653	1,670	42.4	43.9	1,653	1,670	42.4	43.8
18 and 19 years	2,308	2,223	62.1	61.8	2,299	2,214	62.0	61.7
20 to 24 years	5,264	4,998	59.3	58.7	5,244	4,979	59.2	58.6
25 to 54 years	17,862	17,668	48.6	48.5	17,850	17,655	48.6	48.5
25 to 34 years	5,649	5,515	43.2	43.4	5,642	5,507	43.2	43.3
35 to 44 years	5,749	5,722	49.8	49.1	5,746	5,718	49.8	49.0
45 to 54 years	6,463	6,431	53.3	53.5	6,462	6,429	53.3	53.5
55 to 64 years	4,043	4,051	41.1	41.9	4,043	4,052	41.1	41.9
55 to 59 years	2,467	2,500	46.7	48.0	2,467	2,500	46.7	48.0
60 to 64 years	1,576	1,551	34.6	34.8	1,576	1,551	34.6	34.8
65 years and over	1,018	1,005	9.1	9.2	1,018	1,004	9.1	9.2
White								
16 years and over	27,914	27,505	42.4	42.5	27,879	27,469	42.4	42.4
16 to 19 years	3,535	3,442	54.1	54.0	3,527	3,434	54.0	54.0
16 and 17 years	1,481	1,480	44.4	45.2	1,481	1,480	44.4	45.2
18 and 19 years	2,054	1,962	64.2	63.3	2,046	1,954	64.1	63.2
20 to 24 years	4,582	4,345	59.5	58.6	4,565	4,328	59.4	58.5
25 to 54 years	15,271	15,173	47.1	47.2	15,260	15,161	47.1	47.2
25 to 34 years	4,697	4,617	41.1	41.5	4,691	4,611	41.0	41.4
35 to 44 years	4,879	4,867	48.3	47.5	4,876	4,864	48.3	47.5
45 to 54 years	5,695	5,689	52.5	52.8	5,694	5,687	52.5	52.8
55 to 64 years	3,613	3,643	40.5	41.5	3,613	3,643	40.5	41.5
55 to 59 years	2,196	2,234	46.0	47.4	2,196	2,234	46.0	47.4
60 to 64 years	1,417	1,409	34.1	34.6	1,417	1,409	34.1	34.6
65 years and over	913	902	8.9	9.0	913	902	8.9	9.0
Negro and other races								
16 years and over	4,232	4,110	50.5	50.4	4,227	4,106	50.5	50.4
16 to 19 years	426	451	39.7	43.6	424	450	39.6	43.5
16 and 17 years	172	190	30.8	35.4	172	190	30.8	35.4
18 and 19 years	254	261	49.2	52.4	252	260	49.0	52.3
20 to 24 years	681	653	58.1	59.4	679	651	58.0	59.3
25 to 54 years	2,590	2,495	59.7	58.5	2,589	2,494	59.7	58.5
25 to 34 years	952	898	58.1	56.6	951	897	58.1	56.6
35 to 44 years	870	855	61.0	59.9	870	855	61.0	59.8
45 to 54 years	768	742	60.2	59.4	768	742	60.2	59.4
55 to 64 years	430	408	47.0	45.7	430	408	47.0	45.7
55 to 59 years	271	266	52.9	52.9	271	266	52.9	52.9
60 to 64 years	159	142	39.5	36.5	159	142	39.5	36.5
65 years and over	105	103	11.9	11.9	105	103	11.9	11.9

A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex

August 1971
(In thousands)

Employment status	Total			White			Negro and other races		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total noninstitutional population	22,453	11,327	11,126	19,378	9,816	9,561	3,076	1,511	1,565
Total labor force	14,777	8,587	6,191	13,034	7,552	5,482	1,743	1,035	709
Percent of population	65.8	75.8	55.6	67.3	76.9	57.3	56.7	68.5	45.3
Civilian labor force	13,719	7,547	6,172	12,097	6,631	5,466	1,622	916	706
Employed	11,980	6,630	5,350	10,740	5,902	4,837	1,240	727	513
Agriculture	720	609	111	613	527	86	107	82	25
Nonagricultural industries	11,260	6,021	5,239	10,127	5,375	4,751	1,133	645	488
Unemployed	1,739	918	822	1,357	729	629	382	189	193
Percent of labor force	12.7	12.2	13.3	11.2	11.0	11.5	23.6	20.6	27.3
Looking for full-time work	1,201	646	555	915	496	419	286	150	136
Looking for part-time work	538	271	267	442	233	210	96	39	57
Not in labor force	7,676	2,741	4,935	6,343	2,265	4,079	1,332	476	856
Major activity: going to school									
Civilian labor force	111	34	77	82	26	56	29	8	20
Employed	71	23	48	50	16	34	21	7	14
Agriculture	1	--	2	--	--	2	--	--	--
Nonagricultural industries	70	24	46	50	17	32	20	7	13
Unemployed	40	11	29	32	10	22	8	1	7
Percent of labor force	36.3	32.2	38.1	39.1	37.7	39.7	28.4	15.2	33.8
Looking for full-time work	13	--	14	8	--	10	5	--	4
Looking for part-time work	27	12	15	24	11	13	3	1	2
Not in labor force	857	379	478	678	302	376	179	77	102
Major activity: other									
Civilian labor force	13,608	7,513	6,095	12,015	6,605	5,410	1,593	908	685
Employed	11,909	6,607	5,302	10,690	5,886	4,803	1,219	720	499
Agriculture	719	610	109	613	528	85	106	82	24
Nonagricultural industries	11,190	5,997	5,193	10,077	5,358	4,719	1,113	639	475
Unemployed	1,699	907	792	1,325	719	606	374	188	186
Percent of labor force	12.5	12.1	13.0	11.0	10.9	11.2	23.5	20.7	27.2
Looking for full-time work	1,188	647	540	907	498	409	281	150	131
Looking for part-time work	511	259	252	418	221	197	93	38	55
Not in labor force	6,819	2,362	4,457	5,665	1,962	3,703	1,153	400	754

A- 6: Employment status of the noninstitutional population 16 years and over by sex, age, and color

(In thousands)

Employment status and color	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16-19 years	
	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
Total								
Total noninstitutional population	142,886	140,468	60,880	59,980	66,628	65,523	15,378	14,965
Total labor force	88,453	87,249	50,855	50,379	28,186	27,722	9,413	9,147
Percent of population	61.9	62.1	83.5	84.0	42.3	42.3	61.2	61.1
Civilian labor force	85,678	84,115	48,454	47,652	28,154	27,690	9,070	8,773
Employed	80,618	79,895	46,465	46,030	26,355	26,229	7,798	7,636
Agriculture	3,764	3,783	2,556	2,614	605	581	604	588
Nonagricultural industries	76,853	76,112	43,909	43,416	25,750	25,648	7,194	7,048
Unemployed	5,061	4,220	1,989	1,622	1,800	1,461	1,272	1,137
Percent of labor force	5.9	5.0	4.1	3.4	6.4	5.3	14.0	13.0
Not in labor force	54,433	53,220	10,025	9,601	38,443	37,801	5,966	5,818
White								
Total noninstitutional population	127,193	125,190	54,610	53,859	59,320	58,407	13,263	12,923
Total labor force	78,488	77,406	45,760	45,271	24,380	24,063	8,348	8,071
Percent of population	61.7	61.8	83.8	84.1	41.1	41.2	62.9	62.5
Civilian labor force	76,027	74,615	43,631	42,846	24,352	24,035	8,044	7,734
Employed	71,922	71,208	41,989	41,496	22,886	22,852	7,047	6,860
Agriculture	3,330	3,361	2,297	2,339	518	509	516	513
Nonagricultural industries	68,592	67,846	39,692	39,157	22,368	22,342	6,532	6,347
Unemployed	4,104	3,407	1,642	1,350	1,466	1,183	996	874
Percent of labor force	5.4	4.6	3.8	3.2	6.0	4.9	12.4	11.3
Not in labor force	48,705	47,784	8,850	8,588	34,940	34,344	4,915	4,851
Negro and other races								
Total noninstitutional population	15,694	15,278	6,270	6,121	7,308	7,115	2,116	2,042
Total labor force	9,965	9,842	5,095	5,108	3,806	3,659	1,065	1,076
Percent of population	63.5	64.4	81.3	83.5	52.1	51.4	50.3	52.7
Civilian labor force	9,652	9,500	4,823	4,806	3,803	3,656	1,026	1,038
Employed	8,695	8,687	4,476	4,534	3,469	3,378	751	775
Agriculture	434	421	259	275	87	72	88	75
Nonagricultural industries	8,261	8,266	4,217	4,259	3,381	3,306	663	700
Unemployed	956	813	347	272	334	278	275	263
Percent of labor force	9.9	8.6	7.2	5.7	8.8	7.6	26.8	25.3
Not in labor force	5,728	5,436	1,175	1,013	3,502	3,457	1,051	966

A-7: Full- and part-time status of the civilian labor force by age and sex

August 1971

(In thousands)

Age and sex	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full- time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
16 years and over	75,817	68,441	3,274	4,102	5.4	9,861	8,902	959	9.7
16 to 21 years	10,790	8,211	1,378	1,201	11.1	2,929	2,391	538	18.4
16 to 19 years	6,619	4,684	1,129	806	12.2	2,450	1,985	465	19.0
16 and 17 years	2,384	1,476	625	282	11.8	1,633	1,311	323	19.8
18 and 19 years	4,235	3,208	503	524	12.4	817	675	142	17.4
20 years and over	69,198	63,758	2,145	3,296	4.8	7,410	6,917	493	6.7
20 to 24 years	10,861	9,361	479	1,020	9.4	1,058	907	151	14.2
25 years and over	58,337	54,397	1,666	2,276	3.9	6,352	6,010	342	5.4
25 to 54 years	46,396	43,238	1,256	1,901	4.1	3,951	3,691	260	6.6
55 years and over	11,942	11,158	410	374	3.1	2,401	2,318	83	3.5
MALE									
16 years and over	50,339	46,225	1,813	2,301	4.6	3,234	2,868	366	11.3
16 to 21 years	6,165	4,763	756	646	10.5	1,383	1,111	271	19.6
16 to 19 years	3,923	2,871	625	427	10.9	1,195	945	251	21.0
20 years and over	46,416	43,354	1,188	1,874	4.0	2,038	1,923	115	5.7
20 to 24 years	6,277	5,425	272	580	9.2	398	350	48	12.0
25 years and over	40,139	37,929	916	1,294	3.2	1,640	1,573	67	4.1
25 to 54 years	31,915	30,189	680	1,047	3.3	581	542	40	6.9
55 years and over	8,224	7,741	236	247	3.0	1,059	1,031	28	2.6
FEMALE									
16 years and over	25,479	22,216	1,461	1,801	7.1	6,627	6,035	593	8.9
16 to 21 years	4,625	3,448	622	555	12.0	1,546	1,279	267	17.3
16 to 19 years	2,696	1,813	504	379	14.1	1,255	1,041	214	17.1
20 years and over	22,782	20,403	957	1,422	6.2	5,372	4,994	378	7.0
20 to 24 years	4,584	3,937	207	440	9.6	660	557	103	15.6
25 years and over	18,198	16,466	750	982	5.4	4,712	4,437	275	5.8
25 to 54 years	14,481	13,049	576	854	5.9	3,369	3,149	220	6.5
55 years and over	3,718	3,417	174	126	3.4	1,342	1,288	54	4.0

¹ Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

A- 8: Unemployed persons by sex and age

Age	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
Total, 16 years and over	2,667	2,207	5.0	4.2	2,394	2,013	7.5	6.4
16 to 19 years	678	585	13.2	12.0	594	552	15.0	14.2
16 and 17 years	338	284	14.3	12.4	267	237	16.1	14.2
18 and 19 years	340	301	12.3	11.6	327	315	14.2	14.2
20 years and over	1,989	1,622	4.1	3.4	1,800	1,461	6.4	5.3
20 to 24 years	628	476	9.4	7.7	543	439	10.4	8.8
25 years and over	1,361	1,147	3.3	2.8	1,257	1,022	5.5	4.5
25 to 34 years	501	416	4.3	3.6	422	364	7.5	6.6
35 to 44 years	301	249	2.9	2.4	366	278	6.4	4.9
45 to 54 years	284	234	2.7	2.2	288	256	4.4	4.0
55 to 64 years	204	187	2.8	2.6	152	103	3.8	2.5
55 to 59 years	116	125	2.7	3.0	92	65	3.7	2.6
60 to 64 years	87	62	3.0	2.1	60	37	3.8	2.4
65 years and over	71	60	3.4	2.8	30	20	2.9	2.0
Household head, 16 years and over	1,354	1,148	3.2	2.7	400	294	6.0	4.6
16 to 24 years	225	177	6.2	5.1	60	53	7.9	8.0
25 to 54 years	865	735	2.9	2.5	253	181	6.7	5.1
55 years and over	265	235	3.0	2.6	86	59	4.0	2.8

A- 9: Unemployed persons by marital status, sex, age, and color

Marital status, age, and color	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
Total, 16 years and over	2,667	2,207	5.0	4.2	2,394	2,013	7.5	6.4
Married, spouse present	1,162	1,006	2.9	2.6	1,132	983	6.2	5.2
Widowed, divorced, or separated	196	207	6.8	7.1	418	324	7.1	5.7
Single (never married)	1,309	994	11.6	9.3	844	705	10.4	8.8
Total, 20 to 64 years of age	1,918	1,562	4.1	3.4	1,770	1,441	6.5	5.4
Married, spouse present	1,094	943	2.9	2.6	1,065	920	6.1	5.3
Widowed, divorced, or separated	177	194	6.8	7.5	386	299	7.4	5.9
Single (never married)	647	425	10.3	7.1	319	222	7.1	5.0
White, 16 years and over	2,187	1,815	4.5	3.8	1,917	1,592	6.9	5.8
Married, spouse present	984	877	2.7	2.5	982	839	6.1	5.3
Widowed, divorced, or separated	152	166	6.6	7.2	295	233	6.3	5.2
Single (never married)	1,051	771	10.7	8.3	640	520	9.1	7.4
White, 20 to 64 years of age	1,579	1,300	3.8	3.2	1,438	1,162	6.1	5.0
Married, spouse present	922	821	2.7	2.4	922	789	5.9	5.1
Widowed, divorced, or separated	137	157	6.7	7.6	274	215	6.7	5.4
Single (never married)	522	323	9.6	6.2	243	158	6.4	4.2
Negro and other races, 16 years and over	480	392	8.8	7.3	477	421	11.3	10.3
Married, spouse present	178	129	5.2	3.8	150	145	7.7	7.5
Widowed, divorced, or separated	44	41	7.4	6.7	123	91	10.0	7.9
Single (never married)	258	223	18.0	15.9	204	185	19.4	18.4
Negro and other races, 20 to 64 years of age	339	261	7.3	5.7	332	278	9.0	7.8
Married, spouse present	173	122	5.3	3.8	143	130	7.6	7.0
Widowed, divorced, or separated	39	37	7.0	6.8	113	85	9.9	7.8
Single (never married)	126	102	14.9	12.3	76	64	11.3	10.6

A-10: Unemployed persons by occupation of last job and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
Total.....	5,061	4,220	5.9	5.0	5.0	4.2	7.5	6.4
White-collar workers.....	1,487	1,142	3.8	3.0	2.5	1.8	5.1	4.2
Professional and technical.....	448	282	4.1	2.6	3.2	1.8	5.5	3.9
Managers, officials, and proprietors.....	130	118	1.4	1.4	1.3	1.2	2.0	2.4
Clerical workers.....	703	565	4.9	4.0	3.5	2.8	5.4	4.4
Sales workers.....	206	177	3.9	3.5	2.6	2.2	5.4	5.0
Blue-collar workers.....	1,990	1,863	6.6	6.0	5.9	5.3	9.7	9.5
Craftsmen and foremen.....	463	365	4.2	3.4	4.2	3.3	5.5	4.5
Carpenters and other construction craftsmen.....	184	178	5.4	5.7	5.4	5.8	(1)	(1)
All other.....	279	187	3.7	2.4	3.6	2.3	5.5	4.2
Operatives.....	1,113	1,121	7.7	7.3	6.6	6.2	10.3	9.7
Drivers and deliverymen.....	130	109	4.7	4.1	4.7	4.2	(1)	(1)
All other.....	983	1,012	8.4	7.9	7.3	6.8	10.4	9.8
Nonfarm laborers.....	414	377	8.3	8.0	8.3	7.7	6.8	14.4
Construction laborers.....	109	117	9.6	10.2	9.7	9.8	--	(1)
All other.....	305	260	7.9	7.3	7.9	7.0	7.0	12.5
Service workers.....	755	564	6.5	5.4	5.6	4.8	7.1	5.7
Private household.....	63	89	4.2	5.8	--	(1)	4.3	5.9
All other.....	692	475	6.9	5.4	5.7	4.8	7.9	5.7
Farmers and farm laborers.....	87	83	2.5	2.4	2.5	2.6	2.5	1.1
No previous work experience.....	742	569	--	--	--	--	--	--
16 to 19 years.....	567	459	--	--	--	--	--	--
20 to 24 years.....	114	65	--	--	--	--	--	--
25 years and over.....	61	45	--	--	--	--	--	--

¹Percent not shown where base is less than 100,000.

A-11: Unemployed persons by industry of last job and sex

Industry	Percent distribution		Unemployment rates					
			Total		Male		Female	
	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
Total.....	100.0	100.0	5.9	5.0	5.0	4.2	7.5	6.4
Private wage and salary workers.....	72.1	75.2	5.9	5.2	5.2	4.6	7.0	6.1
Mining.....	.5	.5	4.2	4.3	4.3	3.9	(1)	(1)
Construction.....	5.9	7.7	6.8	7.9	6.7	7.8	8.6	8.9
Manufacturing.....	27.5	29.3	6.7	5.6	5.8	4.7	9.1	8.0
Durable goods.....	16.9	18.0	7.0	5.9	6.5	5.2	9.2	8.4
Primary metal industries.....	3.0	1.3	11.5	4.0	11.9	3.7	7.4	7.1
Fabricated metal products.....	2.0	2.3	6.6	5.6	6.5	4.7	6.7	9.3
Machinery.....	2.1	2.8	5.2	5.1	4.6	4.4	8.0	8.0
Electrical equipment.....	2.8	2.9	6.9	5.8	5.0	3.4	9.9	9.2
Motor vehicles and equipment.....	1.4	3.0	6.4	9.7	6.4	9.3	5.8	12.8
All other transportation equipment.....	1.6	2.3	7.8	7.8	6.2	7.0	18.2	13.2
Other durable goods industries.....	4.0	3.5	6.7	5.1	5.8	5.1	9.1	5.3
Nondurable goods.....	10.7	11.3	6.2	5.3	4.5	3.6	8.9	7.8
Food and kindred products.....	2.4	2.6	6.5	5.7	5.0	4.9	10.5	7.7
Textile mill products.....	.9	1.6	4.6	6.3	2.8	3.0	6.7	9.7
Apparel and other finished textile products.....	2.6	2.5	9.0	7.4	9.3	6.2	9.0	7.8
Other nondurable goods industries.....	4.8	4.6	5.5	4.2	4.0	3.0	9.0	7.0
Transportation and public utilities.....	2.7	3.4	2.9	3.0	2.9	3.0	2.9	3.0
Railroads and railway express.....	.3	.3	2.1	1.8	2.3	2.0	(1)	--
Other transportation.....	1.8	2.2	4.4	4.6	4.6	4.9	3.6	3.1
Communication and other public utilities.....	.6	.9	1.6	1.9	1.0	1.1	2.7	3.2
Wholesale and retail trade.....	17.5	16.9	5.9	5.2	4.8	4.2	7.4	6.5
Finance, insurance, and real estate.....	2.8	2.4	3.5	2.7	2.2	2.0	4.7	3.3
Service industries.....	15.2	15.0	6.1	5.0	5.7	4.4	6.3	5.3
Professional services.....	5.9	4.8	4.8	3.4	3.1	2.6	5.6	3.7
All other service industries.....	9.2	10.2	7.3	6.5	7.5	5.7	7.1	7.0
Agricultural wage and salary workers.....	2.2	2.3	7.6	6.5	7.8	6.9	6.3	4.3
All other classes of workers.....	11.1	9.0	2.6	1.8	1.8	1.1	4.1	3.2
No previous work experience.....	14.7	13.5	--	--	--	--	--	--

¹Percent not shown where base is less than 100,000.

A-12: Unemployed persons by reason for unemployment, sex, age, and color

Reason for unemployment	Total unemployed		Male, 20 years and over		Female, 20 years and over		Both sexes, 16 to 19 years		White		Negro and other races	
	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
Unemployment level												
Total unemployed, in thousands	5,061	4,220	1,989	1,622	1,800	1,461	1,272	1,137	4,104	3,407	956	813
Lost last job	2,199	1,773	1,257	1,016	695	515	247	242	1,817	1,480	382	292
Left last job	644	639	279	217	275	274	89	148	534	528	110	111
Reentered labor force	1,475	1,242	381	342	726	611	368	288	1,190	967	285	275
Never worked before	742	567	71	48	104	61	567	458	563	432	179	135
Total unemployed, percent distribution . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lost last job	43.5	42.0	63.2	62.6	38.6	35.2	19.4	21.3	44.3	43.4	40.0	35.9
Left last job	12.7	15.1	14.0	13.4	15.3	18.8	7.0	13.0	13.0	15.5	11.5	13.7
Reentered labor force	29.2	29.4	19.2	21.1	40.3	41.8	29.0	25.4	29.0	28.4	29.8	33.8
Never worked before	14.7	13.4	3.6	3.0	5.8	4.2	44.6	40.3	13.7	12.7	18.7	16.6
Unemployment rate												
Total unemployment rate	5.9	5.0	4.1	3.4	6.4	5.3	14.0	13.0	5.4	4.6	9.9	8.6
Job-loser rate ¹	2.6	2.1	2.6	2.1	2.5	1.9	2.7	2.8	2.4	2.0	4.0	3.1
Job-leaver rate ¹ . . . . .	.8	.8	.6	.5	1.0	1.0	1.0	1.7	.7	.7	1.1	1.2
Reentrant rate ¹	1.7	1.5	.8	.7	2.6	2.2	4.1	3.3	1.6	1.3	3.0	2.9
New entrant rate ¹ . . . . .	.9	.7	.1	.1	.4	.2	6.3	5.2	.7	.6	1.9	1.4

¹Unemployment rates are calculated as a percent of the civilian labor force.

A-13: Unemployed persons by reason for unemployment, duration, sex, and age

August 1971

(Percent distribution)

Reason, sex, and age	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over	5,061	100.0	45.3	33.5	21.2	10.4	10.8
Lost last job	2,199	100.0	40.3	28.2	31.5	14.7	16.8
Left last job	644	100.0	50.2	29.5	20.2	12.0	8.2
Reentered labor force	1,475	100.0	53.8	33.3	12.9	5.9	7.0
Never worked before	742	100.0	38.9	52.7	8.4	5.4	3.0
Male, 20 years and over	1,989	100.0	40.6	30.3	29.2	13.2	16.0
Lost last job	1,257	100.0	39.3	26.6	34.1	15.1	19.0
Left last job	279	100.0	46.6	30.5	22.9	14.0	9.0
Reentered labor force	381	100.0	41.8	39.5	18.7	5.5	13.2
Never worked before	71	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over	1,800	100.0	51.0	27.5	21.5	11.0	10.4
Lost last job	695	100.0	35.7	30.9	33.4	16.1	17.3
Left last job	275	100.0	52.0	28.7	19.3	11.3	8.0
Reentered labor force	726	100.0	63.3	24.2	12.5	6.7	5.8
Never worked before	104	100.0	65.0	25.2	9.7	5.8	3.9
Both sexes, 16 to 19 years	1,272	100.0	44.7	46.9	8.4	5.3	3.1
Lost last job	247	100.0	58.5	28.9	12.6	8.5	4.1
Left last job	89	100.0	(1)	(1)	(1)	(1)	(1)
Reentered labor force	368	100.0	47.6	44.8	7.6	4.9	2.7
Never worked before	567	100.0	34.9	59.1	6.0	3.7	2.3

¹Percent not shown where base is less than 100,000.

A-14: Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household head			
	Thousands		Percent distribution		Thousands		Percent distribution	
	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
Total	5,061	4,220	100.0	100.0	1,754	1,442	100.0	100.0
Less than 5 weeks	2,294	2,144	45.3	50.8	745	701	42.5	48.6
5 to 14 weeks	1,693	1,478	33.5	35.0	461	459	26.3	31.8
5 to 10 weeks	1,236	1,075	24.4	25.5	336	338	19.2	23.4
11 to 14 weeks	457	403	9.0	9.5	125	121	7.1	8.4
15 weeks and over	1,074	598	21.2	14.2	547	282	31.2	19.6
15 to 26 weeks	527	349	10.4	8.3	239	152	13.6	10.5
27 weeks and over	547	249	10.8	5.9	308	130	17.6	9.0
Average (mean) duration	11.2	8.6	--	--	14.4	10.0	--	--

A-15: Unemployed persons by duration, sex, age, color, and marital status
August 1971

Sex, age, color, and marital status	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
16 to 21 years	1,739	805	772	89	73	8.2	46.3	50.8	9.3	7.1
16 to 19 years	1,272	568	597	66	41	7.9	44.7	50.9	8.4	5.9
20 to 24 years	1,171	588	390	96	98	9.4	50.2	54.5	16.5	10.5
25 to 44 years	1,590	735	427	208	220	12.1	46.2	53.5	26.9	17.1
45 years and over	1,028	403	279	157	189	15.8	39.2	42.7	33.7	24.4
Male	2,667	1,094	915	308	349	12.6	41.0	47.3	24.7	16.2
16 to 21 years	918	397	416	59	46	8.8	43.2	46.9	11.4	7.7
16 to 19 years	678	287	314	47	30	8.7	42.3	46.3	11.3	6.1
20 to 24 years	628	285	224	61	59	10.5	45.3	50.5	19.1	12.3
25 to 44 years	802	317	237	114	134	13.9	39.5	46.9	30.9	20.5
45 years and over	559	205	141	87	126	18.0	36.7	45.6	38.1	26.8
Female	2,394	1,200	777	219	198	9.6	50.1	54.7	17.4	11.9
16 to 21 years	822	409	355	30	27	7.4	49.8	55.2	7.0	6.5
16 to 19 years	594	281	283	20	10	7.0	47.3	55.8	5.1	5.7
20 to 24 years	543	303	166	35	39	8.2	55.9	58.8	13.5	8.6
25 to 44 years	788	418	190	93	86	10.3	53.0	60.1	22.8	14.0
45 years and over	469	197	138	70	63	13.2	42.1	39.2	28.4	21.3
White: Total	4,104	1,872	1,363	433	436	11.2	45.6	51.5	21.2	14.1
Male	2,187	886	763	256	282	12.6	40.5	48.2	24.6	15.6
Female	1,917	986	600	177	154	9.5	51.4	55.3	17.3	12.3
Negro and other races: Total	956	422	329	94	112	11.4	44.1	47.9	21.5	14.5
Male	480	207	152	52	68	12.7	43.2	43.1	25.0	19.1
Female	477	214	177	41	44	10.1	44.9	52.4	17.9	10.3
Male: Married, wife present	1,162	488	303	171	200	14.6	42.0	48.7	31.9	20.2
Widowed, divorced, or separated	196	67	55	31	42	2.3	34.2	49.2	37.5	24.9
Single (never married)	1,309	539	557	106	107	10.3	41.2	45.4	16.3	10.4
Female: Married, husband present	1,132	621	292	119	100	9.4	54.9	58.7	19.3	14.0
Widowed, divorced, or separated	418	204	107	47	60	2.6	48.8	48.2	25.5	12.2
Single (never married)	844	375	378	53	38	8.4	44.4	52.1	10.8	8.9

A-16: Unemployed persons by duration, occupation, and industry of last job
August 1971

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
OCCUPATION										
White-collar workers	1,487	638	478	180	191	12.2	42.9	52.5	24.9	16.3
Professional and managerial	578	233	187	78	79	13.0	40.3	49.5	27.3	15.8
Clerical workers	703	311	231	77	84	11.2	44.3	51.5	22.9	17.5
Sales workers	206	94	60	24	28	12.7	45.5	62.1	25.3	13.0
Blue-collar workers	1,990	897	572	243	279	12.7	45.0	48.9	26.2	16.4
Craftsmen and foremen	463	184	150	56	73	13.3	39.7	47.2	28.0	22.7
Operatives	1,113	524	275	155	159	13.0	47.1	50.3	28.2	13.8
Nonfarm laborers	414	189	147	32	46	11.1	45.7	46.4	18.9	18.2
Service workers	755	411	237	57	49	8.7	54.5	58.8	14.1	10.6
INDUSTRY¹										
Agriculture	109	73	21	7	9	7.1	66.6	(2)	14.0	(2)
Construction	324	147	121	23	34	11.2	45.3	50.8	17.5	20.2
Manufacturing	1,399	623	349	212	214	13.4	44.5	46.9	30.5	18.1
Durable goods	857	362	200	148	148	14.6	42.2	44.7	34.5	20.9
Non-durable goods	541	261	149	65	66	11.6	48.3	50.5	24.1	13.7
Transportation and public utilities	155	71	39	20	26	11.7	45.7	49.3	29.1	12.1
Wholesale and retail trade	892	408	279	104	101	11.2	45.8	53.3	23.0	14.5
Finance and service industries	1,216	570	418	114	112	10.0	46.9	56.2	18.6	12.0
Public administration	130	60	46	5	19	12.9	46.1	(2)	18.5	(2)
No previous work experience	742	288	392	40	22	8.4	38.9	42.2	8.3	7.4

¹Includes wage and salary workers only.

²Percent not shown where base is less than 100,000.

A-17: Employed persons by sex and age
(In thousands)

Age and type of industry	Total		Male		Female	
	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
All industries	80,618	79,895	50,905	50,333	29,712	29,562
16 to 19 years	7,798	7,636	4,441	4,303	3,358	3,333
16 and 17 years	3,413	3,445	2,027	2,012	1,386	1,433
18 and 19 years	4,385	4,189	2,414	2,290	1,972	1,899
20 to 24 years	10,748	10,211	6,047	5,671	4,701	4,540
25 to 34 years	48,185	48,099	31,411	31,343	16,774	16,756
35 to 44 years	16,466	16,127	11,245	10,984	5,220	5,143
45 to 54 years	15,374	15,618	9,995	10,178	5,380	5,440
55 to 64 years	16,345	16,354	10,171	10,181	6,174	6,173
65 years and over	10,842	10,864	6,951	6,915	3,891	3,949
16 to 17 years	6,499	6,525	4,125	4,091	2,375	2,435
18 and 19 years	4,343	4,338	2,827	2,825	1,517	1,514
20 to 24 years	3,044	3,085	2,056	2,101	988	984
25 to 34 years	76,853	76,112	47,842	47,243	29,012	28,869
35 to 44 years	7,194	7,048	3,933	3,827	3,264	3,221
45 to 54 years	3,063	3,070	1,719	1,712	1,344	1,358
55 to 64 years	4,132	3,978	2,214	2,115	1,918	1,863
65 years and over	10,452	9,943	5,807	5,452	4,645	4,491
16 to 17 years	46,423	46,331	30,068	29,958	16,355	16,374
18 and 19 years	15,955	15,651	10,845	10,603	5,110	5,049
20 to 24 years	14,808	15,043	9,582	9,749	5,226	5,294
25 to 34 years	15,660	15,637	9,641	9,606	6,019	6,031
35 to 44 years	10,226	10,197	6,421	6,354	3,804	3,844
45 to 54 years	6,172	6,190	3,847	3,809	2,325	2,381
55 to 64 years	4,053	4,008	2,574	2,545	1,479	1,463
65 years and over	2,558	2,594	1,613	1,653	946	941
Agriculture	3,764	3,783	3,064	3,090	700	693
16 to 19 years	604	588	508	476	96	112
16 and 17 years	350	376	308	300	42	76
18 and 19 years	254	211	200	176	54	36
20 to 24 years	296	268	240	219	56	49
25 to 34 years	1,762	1,770	1,342	1,386	419	384
35 to 44 years	511	476	401	381	110	95
45 to 54 years	566	576	412	430	154	146
55 to 64 years	685	718	529	575	155	143
65 years and over	617	666	530	561	87	105
16 to 17 years	327	336	278	282	50	54
18 and 19 years	290	331	252	279	37	51
20 to 24 years	486	492	444	448	42	44

A-18: Employed persons by occupation group, sex, and age

(In thousands)

Occupation	Total		Male, 20 years and over		Female, 20 years and over		Male, 16-19 years		Female, 16-19 years	
	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
Total	80,618	79,895	46,465	46,030	26,355	26,229	4,441	4,303	3,358	3,333
White-collar workers	38,127	37,506	19,516	19,214	16,222	15,804	708	736	1,682	1,751
Professional and technical	10,506	10,547	6,462	6,561	3,838	3,767	103	106	103	113
Medical and other health	1,751	1,710	671	659	1,059	1,024	2	5	20	21
Teachers, except college	2,172	1,969	597	619	1,565	1,335	2	6	8	9
Other professional and technical	6,583	6,869	5,194	5,284	1,214	1,408	99	94	76	84
Managers, officials, and proprietors	8,956	8,347	7,359	6,937	1,536	1,361	47	35	15	13
Salaried workers	6,619	6,025	5,488	5,045	1,073	935	42	33	15	12
Self-employed workers in retail trade	1,193	1,100	863	843	328	252	3	2	--	2
Self-employed workers, except retail trade	1,144	1,222	1,008	1,049	135	173	1	--	--	--
Clerical workers	13,560	13,665	3,057	3,161	9,020	8,907	321	338	1,162	1,259
Stenographers, typists, and secretaries	3,732	3,528	66	47	3,347	3,108	7	6	313	367
Other clerical workers	9,828	10,137	2,992	3,114	5,673	5,799	314	332	849	892
Sales workers	5,105	4,947	2,638	2,554	1,828	1,769	237	258	402	366
Retail trade	3,040	3,011	933	929	1,533	1,530	196	215	379	338
Other sales workers	2,065	1,935	1,705	1,626	296	239	42	43	23	28
Blue-collar workers	28,344	29,140	21,177	21,699	4,304	4,590	2,531	2,514	331	336
Craftsmen and foremen	10,456	10,524	9,689	9,777	392	352	358	378	17	17
Carpenters	979	833	927	806	4	--	48	27	--	--
Construction craftsmen, except carpenters	2,271	2,096	2,116	1,971	23	29	128	93	4	4
Mechanics and repairmen	2,439	2,866	2,332	2,676	20	19	87	168	1	3
Metal craftsmen, except mechanics	1,165	1,232	1,126	1,188	25	21	15	23	--	--
Other craftsmen and kindred workers	2,251	2,018	1,932	1,766	232	181	75	60	12	11
Foremen, not elsewhere classified	1,351	1,478	1,255	1,370	89	102	7	6	--	--
Operatives	13,283	14,267	8,402	8,911	3,682	4,102	930	958	270	296
Drivers and deliverymen	2,608	2,520	2,368	2,301	76	70	162	145	1	5
Other operatives	10,675	11,747	6,034	6,610	3,606	4,032	768	813	269	291
Durable goods manufacturing	4,663	4,764	3,206	3,193	1,181	1,302	211	211	67	59
Nondurable goods manufacturing	3,693	3,975	1,547	1,597	1,842	2,059	155	153	150	166
Other industries	2,319	3,007	1,280	1,821	583	671	402	448	53	67
Nonfarm laborers	4,604	4,349	3,086	3,010	230	137	1,243	1,179	45	23
Construction	1,030	1,026	774	800	6	3	246	220	4	3
Manufacturing	1,097	1,115	820	881	85	61	184	170	8	3
Other industries	2,478	2,208	1,492	1,330	139	73	813	788	34	17
Service workers	10,781	9,831	3,492	2,740	5,282	5,322	752	624	1,255	1,145
Private household workers	1,449	1,458	28	33	1,009	1,082	17	11	394	332
Service workers, except private household ..	9,333	8,373	3,464	2,707	4,273	4,241	735	612	861	813
Protective service workers	1,099	1,052	1,040	933	40	52	18	45	1	22
Waiters, cooks, and bartenders	2,270	2,328	427	403	1,300	1,349	144	164	399	412
Other service workers	5,963	4,993	1,996	1,371	2,934	2,840	573	404	461	379
Farm workers	3,365	3,419	2,280	2,378	547	512	450	428	89	101
Farmers and farm managers	1,739	1,773	1,621	1,684	103	71	12	17	3	1
Farm laborers and foremen	1,626	1,646	659	693	444	442	438	411	86	100
Paid workers	1,034	1,068	600	634	129	109	270	291	35	54
Unpaid family workers	592	559	59	60	315	333	168	120	51	46

NOTE: Comparisons with data prior to January 1971 are affected by the reclassification of census occupations that was introduced in that month. For an explanation of the changes, see "Revisions in Occupational Classifications for 1971" in the February 1971 issue of Employment and Earnings.

A-19: Employed persons by major occupation group, sex, and color

(Percent distribution)

Occupation group and color	Total		Male		Female	
	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
Total						
Total employed (thousands)	80,618	79,895	50,905	50,333	29,712	29,562
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	47.3	46.9	39.7	39.6	60.3	59.4
Professional and technical	13.0	13.2	12.9	13.2	13.3	13.1
Managers, officials, and proprietors	11.1	10.4	14.5	13.9	5.2	4.7
Clerical workers	16.8	17.1	6.6	7.0	34.3	34.4
Sales workers	6.3	6.2	5.6	5.6	7.5	7.2
Blue-collar workers	35.2	36.5	46.6	48.1	15.6	16.7
Craftsmen and foremen	13.0	13.2	19.7	20.2	1.4	1.2
Operatives	16.5	17.9	18.3	19.6	13.3	14.9
Nonfarm laborers	5.7	5.4	8.5	8.3	.9	.5
Service workers	13.4	12.3	8.3	6.7	22.0	21.9
Private household workers	1.8	1.8	.1	.1	4.7	4.8
Other service workers	11.6	10.5	8.2	6.6	17.3	17.1
Farm workers	4.2	4.3	5.4	5.6	2.1	2.1
Farmers and farm managers	2.2	2.2	3.2	3.4	.4	.2
Farm laborers and foremen	2.0	2.1	2.2	2.2	1.8	1.8
White						
Total employed (thousands)	71,922	71,208	45,961	45,331	25,962	25,877
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	49.5	49.3	41.6	41.6	63.5	62.8
Professional and technical	13.6	13.7	13.5	13.8	13.8	13.5
Managers, officials, and proprietors	11.9	11.3	15.6	14.9	5.6	5.0
Clerical workers	17.2	17.6	6.6	6.9	36.0	36.4
Sales workers	6.8	6.7	6.0	6.0	8.2	7.9
Blue-collar workers	34.6	35.7	45.6	46.9	15.2	16.1
Craftsmen and foremen	13.6	13.8	20.4	20.9	1.4	1.3
Operatives	15.9	17.1	17.6	18.7	12.9	14.3
Nonfarm laborers	5.2	4.8	7.5	7.2	.9	.5
Service workers	11.7	10.7	7.5	5.9	19.2	19.1
Private household workers	1.2	1.2	.1	.1	3.2	3.2
Other service workers	10.5	9.5	7.4	5.9	16.0	15.9
Farm workers	4.1	4.3	5.3	5.6	2.0	2.0
Farmers and farm managers	2.3	2.4	3.4	3.6	.4	.2
Farm laborers and foremen	1.8	1.9	1.9	2.0	1.7	1.8
Negro and other races						
Total employed (thousands)	8,695	8,687	4,945	5,002	3,750	3,685
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	29.0	27.5	22.1	21.6	38.1	35.6
Professional and technical	8.5	9.0	7.4	8.1	9.8	10.1
Managers, officials, and proprietors	4.2	3.4	5.2	4.1	2.9	2.5
Clerical workers	13.8	12.9	7.2	7.4	22.4	20.4
Sales workers	2.5	2.3	2.2	2.1	2.9	2.6
Blue-collar workers	39.5	43.0	55.8	59.4	18.0	20.7
Craftsmen and foremen	8.0	7.9	13.3	13.2	1.0	.7
Operatives	21.2	24.3	25.1	28.1	16.0	19.1
Nonfarm laborers	10.3	10.8	17.4	18.2	1.0	.8
Service workers	27.1	25.2	16.4	13.3	41.2	41.3
Private household workers	6.6	7.0	.2	.3	15.1	16.1
Other service workers	20.4	18.2	16.1	13.1	26.1	25.2
Farm workers	4.5	4.3	5.7	5.6	2.8	2.4
Farmers and farm managers	1.0	1.1	1.6	1.7	.2	.2
Farm laborers and foremen	3.5	3.2	4.1	3.9	2.6	2.2

NOTE: Comparisons with data prior to January 1971 are affected by the reclassification of census occupations that was introduced in that month. For an explanation of the changes, see "Revisions in Occupational Classifications for 1971" in the February 1971 issue of Employment and Earnings.

A-20: Employed persons by class of worker, sex, and age

August 1971
(In thousands)

Age and sex	Nonagricultural industries						Agriculture		
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total	71,069	1,747	12,459	56,864	5,275	509	1,325	1,835	604
16 to 19 years.....	7,056	544	799	5,713	75	63	351	33	219
16 and 17 years.....	2,993	429	369	2,194	33	37	201	19	130
18 and 19 years.....	4,063	115	429	3,520	42	26	150	14	89
20 to 24 years.....	10,248	77	1,541	8,631	178	27	182	63	51
25 to 34 years.....	15,087	123	2,556	12,408	793	75	233	210	67
35 to 44 years.....	13,608	173	2,588	10,847	1,091	109	190	284	92
45 to 54 years.....	14,083	292	2,937	10,854	1,440	137	170	418	97
55 to 64 years.....	9,001	322	1,755	6,923	1,150	75	131	433	53
55 to 59 years.....	5,440	165	1,081	4,194	686	47	72	229	26
60 to 64 years.....	3,561	157	674	2,730	464	28	58	205	27
65 years and over.....	1,986	216	283	1,486	548	25	68	393	25
Male	43,702	279	6,995	36,428	4,060	80	1,111	1,724	228
16 to 19 years.....	3,849	146	415	3,288	41	43	309	30	168
16 and 17 years.....	1,669	115	210	1,344	24	26	179	18	111
18 and 19 years.....	2,180	30	205	1,945	17	16	130	13	57
20 to 24 years.....	5,665	14	692	4,959	125	17	153	55	32
25 to 34 years.....	10,228	10	1,466	8,752	609	8	193	199	9
35 to 44 years.....	8,710	24	1,491	7,195	870	3	143	268	2
45 to 54 years.....	8,531	22	1,727	6,781	1,110	1	131	397	1
55 to 64 years.....	5,541	35	1,009	4,497	877	4	117	406	7
55 to 59 years.....	3,313	14	617	2,681	534	--	63	214	1
60 to 64 years.....	2,228	20	392	1,816	343	4	54	192	6
65 years and over.....	1,179	29	195	955	429	5	66	368	10
Female	27,367	1,468	5,464	20,436	1,215	429	214	111	376
16 to 19 years.....	3,207	398	383	2,425	35	20	42	3	51
16 and 17 years.....	1,324	314	160	850	10	10	22	1	19
18 and 19 years.....	1,883	84	224	1,575	25	10	20	2	32
20 to 24 years.....	4,583	63	848	3,671	53	10	29	8	19
25 to 34 years.....	4,859	113	1,090	3,656	184	66	41	11	59
35 to 44 years.....	4,898	148	1,097	3,653	221	106	48	16	90
45 to 54 years.....	5,553	270	1,210	4,073	330	136	38	21	96
55 to 64 years.....	3,460	288	746	2,426	273	71	13	27	46
55 to 59 years.....	2,127	151	464	1,512	152	47	9	15	26
60 to 64 years.....	1,333	137	282	914	121	25	4	12	21
65 years and over.....	807	188	88	532	119	20	2	25	15

A-21: Employed persons with a job but not at work by reason, pay status, and sex

(In thousands)

Reason not working	All industries		Nonagricultural industries					
	Aug. 1971	Aug. 1970	Total		Wage and salary workers ¹			
			Aug. 1971	Aug. 1970	Paid absence ²		Unpaid absence ²	
					Aug. 1971	Aug. 1970	Aug. 1971	Aug. 1970
Total	10,445	10,009	10,268	9,869	6,090	5,900	3,558	3,360
Vacation	8,139	7,868	8,053	7,805	5,569	5,329	2,110	2,095
Illness	1,165	1,213	1,137	1,180	356	380	669	692
Bad weather	70	29	41	15	--	--	--	--
Industrial dispute	192	87	192	87	--	--	--	--
All other reasons	879	813	846	782	164	191	779	573
Male	5,557	5,303	5,397	5,175	3,674	3,621	1,370	1,233
Vacation	4,195	4,075	4,122	4,020	3,304	3,215	610	610
Illness	739	755	711	723	267	280	374	378
All other reasons	623	473	564	432	104	125	385	245
Female	4,888	4,706	4,871	4,694	2,416	2,281	2,188	2,127
Vacation	3,944	3,792	3,930	3,785	2,264	2,114	1,499	1,485
Illness	427	458	425	457	89	100	295	314
All other reasons	517	456	516	452	62	67	395	329

¹Excludes private household.²Pay status not available separately for bad weather and industrial dispute; these categories are included in all other reasons.

A-22: Persons at work by type of industry and hours of work

August 1971

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	70,712	66,585	3,587	100.0	100.0	100.0
1-34 hours	14,403	13,329	1,074	20.5	20.0	29.9
1-4 hours	612	559	53	.9	.8	1.5
5-14 hours	2,657	2,427	230	3.8	3.6	6.4
15-29 hours	6,942	6,374	568	9.9	9.6	15.8
30-34 hours	4,192	3,969	223	6.0	6.0	6.2
35 hours and over	55,770	53,256	2,514	79.5	80.0	70.1
35-39 hours	5,128	4,959	170	7.3	7.4	4.7
40 hours	30,758	30,348	410	43.8	45.6	11.4
41 hours and over	19,884	17,949	1,934	28.3	27.0	53.9
41 to 48 hours	8,110	7,823	287	11.6	11.7	8.0
49 to 59 hours	6,100	5,657	442	8.7	8.5	12.3
60 hours and over	5,674	4,469	1,205	8.1	6.7	33.6
Average hours, total at work	40.0	39.6	47.2	--	--	--
Average hours, workers on full-time schedules	43.6	43.0	56.5	--	--	--

A-23: Persons at work 1-34 hours by usual status and reason working part-time

August 1971

(In thousands)

Reasons working part time	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total.....	14,402	5,161	9,241	13,328	4,851	8,477
Economic reasons.....	3,274	1,382	1,892	3,014	1,262	1,752
Slack work.....	1,373	958	415	1,219	851	368
Material shortages or repairs to plant and equipment.....	86	86	--	84	84	--
New job started during week.....	212	212	--	204	204	--
Job terminated during week.....	126	126	--	124	124	--
Could find only part-time work.....	1,478	--	1,478	1,384	--	1,384
Other reasons.....	11,128	3,779	7,349	10,314	3,589	6,726
Does not want, or unavailable for, full-time work.....	5,238	--	5,238	4,833	--	4,833
Vacation.....	1,049	1,049	--	1,020	1,020	--
Illness.....	1,391	1,154	237	1,300	1,127	173
Bad weather.....	302	302	--	219	219	--
Industrial dispute.....	28	28	--	28	28	--
Legal or religious holiday.....	135	135	--	135	135	--
Full time for this job.....	1,338	--	1,338	1,280	--	1,280
All other reasons.....	1,647	1,111	536	1,499	1,059	440
Average hours:						
Economic reasons.....	20.5	23.6	18.2	20.6	23.7	18.3
Other reasons.....	21.4	25.8	19.1	21.6	26.0	19.2
Worked 30 to 34 hours:						
Economic reasons.....	870	545	325	799	501	298
Other reasons.....	3,322	1,925	1,397	3,170	1,868	1,302

A-24: Nonagricultural workers by industry and full- or part-time status

August 1971

Industry	Percent distribution							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total ^{1/}	100.0	4.5	10.1	85.4	58.4	11.7	15.2	39.6	43.0
Wage and salary workers ...	100.0	4.5	9.6	85.8	61.0	11.8	13.0	39.1	42.3
Construction ...	100.0	6.3	3.8	89.9	65.9	11.4	12.6	39.4	41.5
Manufacturing	100.0	3.5	2.1	94.4	67.8	14.4	12.2	40.9	42.0
Durable goods	100.0	2.4	1.4	96.2	69.9	13.9	12.4	41.3	42.0
Nondurable goods.....	100.0	4.9	3.1	92.0	65.1	15.1	11.9	40.4	42.0
Transportation and public utilities	100.0	2.6	3.4	94.0	66.1	12.1	15.8	41.9	43.2
Wholesale and retail trade	100.0	6.1	16.9	77.0	46.1	14.4	16.5	38.4	43.7
Finance, insurance, and real estate	100.0	1.8	8.0	90.1	68.6	9.3	12.3	39.0	41.2
Service industries	100.0	6.1	18.5	75.4	56.5	8.1	10.8	36.2	43.4
Private households	100.0	19.4	44.3	36.3	24.2	5.1	7.0	24.6	43.5
All other service	100.0	4.3	15.2	80.4	60.6	8.5	11.3	37.7	42.0
Public administration	100.0	1.4	3.8	94.8	76.6	7.9	10.3	40.6	41.7
Self-employed workers	100.0	4.5	13.4	82.0	28.5	10.9	42.7	45.5	51.7
Unpaid family workers	100.0	3.3	33.2	63.5	30.8	9.4	23.2	38.2	47.7

^{1/} Mining not shown separately but included in totals.

A-25: Persons at work in nonagricultural industries by full- or part-time status, sex, age, color, and marital status
August 1971

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
(In thousands)								
TOTAL								
Total, 16 years and over.....	66,585	3,014	6,726	56,845	38,896	17,949	39.6	43.0
16 to 21 years	10,664	1,280	2,018	7,366	5,647	1,719	34.3	41.0
16 to 19 years	6,821	1,042	1,675	4,104	3,103	1,001	32.3	41.0
16 and 17 years	2,898	565	1,106	1,227	896	331	27.8	41.0
18 and 19 years	3,923	477	569	2,877	2,209	668	35.6	41.1
20 years and over.....	59,764	1,972	5,050	52,742	35,791	16,951	40.4	43.2
20 to 24 years	9,475	458	727	8,290	6,223	2,067	38.9	41.6
25 years and over.....	50,289	1,514	4,323	44,452	29,568	14,884	40.7	43.5
25 to 44 years.....	26,354	823	1,771	23,760	15,566	8,194	41.3	43.6
45 to 64 years	21,737	616	1,674	19,447	13,208	6,239	40.9	43.2
65 years and over.....	2,200	76	878	1,246	797	449	32.4	44.6
Males, 16 years and over	42,445	1,591	2,102	38,752	23,910	14,842	42.2	44.3
16 to 21 years	5,720	669	902	4,149	2,865	1,284	35.9	42.1
16 to 19 years	3,740	548	767	2,425	1,682	743	34.0	42.0
16 and 17 years	1,636	309	542	785	565	220	29.5	41.3
18 and 19 years	2,104	239	224	1,641	1,117	524	37.5	42.3
20 years and over.....	38,705	1,042	1,335	36,328	22,230	14,098	43.0	44.4
20 to 24 years	5,362	255	269	4,838	3,185	1,653	40.9	43.1
25 years and over.....	33,343	787	1,066	31,490	19,045	12,445	43.3	44.6
25 to 44 years.....	18,062	450	270	17,342	10,186	7,156	44.0	44.9
45 to 64 years	13,862	304	301	13,257	8,311	4,946	43.3	44.3
65 years and over.....	1,420	34	495	891	546	345	34.4	45.0
Females, 16 years and over	24,141	1,423	4,624	18,094	14,986	3,108	35.0	40.3
16 to 21 years	4,945	610	1,116	3,219	2,785	434	32.3	39.6
16 to 19 years	3,081	494	909	1,678	1,423	255	30.1	39.7
16 and 17 years	1,262	256	564	442	330	112	25.5	40.5
18 and 19 years	1,819	237	345	1,237	1,092	145	33.3	39.5
20 years and over.....	21,059	930	3,715	16,414	13,563	2,851	35.7	40.3
20 to 24 years	4,113	203	458	3,452	3,038	414	36.4	39.4
25 years and over.....	16,946	727	3,257	12,962	10,525	2,437	35.5	40.5
25 to 44 years.....	8,291	374	1,499	6,418	5,379	1,039	35.4	40.0
45 to 64 years	7,874	312	1,374	6,188	4,894	1,294	36.5	41.0
65 years and over.....	780	41	384	355	251	104	28.6	43.8
COLOR								
White.....	59,413	2,509	6,039	50,865	34,051	16,814	39.9	43.3
Male.....	38,299	1,344	1,880	35,075	21,099	13,976	42.5	44.6
Female.....	21,114	1,164	4,159	15,791	12,953	2,838	35.1	40.4
Negro and other races	7,172	505	687	5,980	4,844	1,136	37.4	40.9
Male.....	4,146	246	222	3,678	2,812	866	39.2	41.7
Female.....	3,026	258	465	2,303	2,033	270	34.8	39.5
MARITAL STATUS								
Male:								
Married, wife present.....	31,779	677	905	30,197	18,022	12,175	43.5	44.7
Widowed, divorced, or separated.....	2,278	106	142	2,030	1,334	696	40.7	43.4
Single (never married)	8,388	808	1,054	6,526	4,555	1,971	37.5	42.6
Female:								
Married, husband present.....	13,255	551	2,826	9,878	8,168	1,710	35.1	40.3
Widowed, divorced, or separated.....	4,571	234	641	3,696	2,936	760	36.6	40.8
Single (never married)	6,315	637	1,157	4,521	3,882	639	33.8	39.8

A-25: Persons at work in nonagricultural industries by full- or part-time status,
sex, age, color, and marital status--Continued
August 1971

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules		
				Total	40 hours or less	41 hours or more
(Percent distribution)						
TOTAL						
Total, 16 years and over.....	100.0	4.5	10.1	85.4	58.4	27.0
16 to 21 years.....	100.0	12.0	18.9	69.1	53.0	16.1
16 to 19 years.....	100.0	15.3	24.6	60.2	45.5	14.7
16 and 17 years.....	100.0	19.5	38.2	42.3	30.9	11.4
18 and 19 years.....	100.0	12.2	14.5	73.3	56.3	17.0
20 years and over.....	100.0	3.3	8.4	88.3	59.9	28.4
20 to 24 years.....	100.0	4.8	7.7	87.5	65.7	21.8
25 years and over.....	100.0	3.0	8.6	88.4	58.8	29.6
25 to 44 years.....	100.0	3.1	6.7	90.2	59.1	31.1
45 to 64 years.....	100.0	2.8	7.7	89.5	60.8	28.7
65 years and over.....	100.0	3.5	39.9	56.6	36.2	20.4
Males, 16 years and over.....	100.0	3.7	5.0	91.3	56.3	35.0
16 to 21 years.....	100.0	11.7	15.8	72.5	50.1	22.4
16 and 19 years.....	100.0	14.7	20.5	64.8	45.0	19.9
16 and 17 years.....	100.0	18.9	33.1	48.0	34.5	13.4
18 and 19 years.....	100.0	11.4	10.6	78.0	53.1	24.9
20 years and over.....	100.0	2.7	3.4	93.9	57.4	36.4
20 to 24 years.....	100.0	4.8	5.0	90.2	59.4	30.8
25 years and over.....	100.0	2.4	3.2	94.4	57.1	37.3
25 to 44 years.....	100.0	2.5	1.5	96.0	56.4	39.6
45 to 64 years.....	100.0	2.2	2.2	95.6	60.0	35.7
65 years and over.....	100.0	2.4	34.9	62.7	38.5	24.3
Females, 16 years and over.....	100.0	5.9	19.2	75.0	62.1	12.9
16 to 21 years.....	100.0	12.3	22.6	65.1	56.3	8.8
16 to 19 years.....	100.0	16.0	29.5	54.5	46.2	8.3
16 and 17 years.....	100.0	20.3	44.7	35.0	26.1	8.9
18 and 19 years.....	100.0	13.0	19.0	68.0	60.0	8.0
20 years and over.....	100.0	4.4	17.6	77.9	64.4	13.5
20 to 24 years.....	100.0	4.9	11.1	83.9	73.9	10.1
25 years and over.....	100.0	4.3	19.2	76.5	62.1	14.4
25 to 44 years.....	100.0	4.5	18.1	77.4	64.9	12.5
45 to 64 years.....	100.0	4.0	17.4	78.6	62.2	16.4
65 years and over.....	100.0	5.3	49.2	45.5	32.2	13.3
COLOR						
White.....	100.0	4.2	10.2	85.6	57.3	28.3
Male.....	100.0	3.5	4.9	91.6	55.1	36.5
Female.....	100.0	5.5	19.7	74.8	61.3	13.4
Negro and other races.....	100.0	7.0	9.6	83.4	67.5	15.8
Male.....	100.0	5.9	5.4	88.7	67.8	20.9
Female.....	100.0	8.5	15.4	76.1	67.2	8.9
MARITAL STATUS						
Male:						
Married, wife present.....	100.0	2.1	2.8	95.0	56.7	38.3
Widowed, divorced, or separated.....	100.0	4.7	6.2	89.1	58.6	30.6
Single (never married).....	100.0	9.6	12.6	77.8	54.3	23.5
Female:						
Married, husband present.....	100.0	4.2	21.3	74.5	61.6	12.9
Widowed, divorced, or separated.....	100.0	5.1	14.0	80.9	64.2	16.6
Single (never married).....	100.0	10.1	18.3	71.6	61.5	10.1

A-26: Persons at work in nonfarm occupations by full- or part-time status and sex

August 1971

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
(Thousands of persons)									
TOTAL									
White-collar workers	32,152	777	3,444	27,931	18,873	3,261	5,797	40.3	43.5
Professional and technical	7,521	137	733	6,651	4,632	681	1,338	40.3	43.2
Managers, officials, and proprietors	8,034	87	292	7,655	3,457	1,166	3,032	46.9	48.3
Clerical workers	12,025	333	1,480	10,212	8,753	913	547	37.0	39.9
Sales workers	4,572	219	939	3,414	2,033	500	881	37.8	44.1
Blue-collar workers	25,310	1,530	1,133	22,647	15,512	3,680	3,455	40.2	42.6
Craftsmen and foremen	9,281	326	282	8,673	5,682	1,495	1,495	41.5	43.0
Operatives	11,793	699	397	10,697	7,407	1,692	1,598	40.7	42.6
Nonfarm laborers	4,237	505	454	3,278	2,423	493	362	36.0	41.4
Service workers	9,484	745	2,213	6,526	4,650	915	962	35.3	42.7
Private household	1,328	227	596	505	331	73	101	25.7	43.6
Other service workers	8,156	518	1,616	6,022	4,319	842	861	36.8	42.6
MALE									
White-collar workers	17,689	281	837	16,571	9,235	2,337	4,999	44.2	45.8
Professional and technical	5,367	79	287	5,001	3,225	563	1,213	42.5	44.3
Managers, officials, and proprietors	6,688	61	156	6,471	2,765	1,009	2,697	47.8	48.8
Clerical workers	3,014	68	190	2,756	2,056	389	311	39.9	41.7
Sales workers	2,620	73	204	2,343	1,191	376	776	43.0	45.7
Blue-collar workers	21,240	1,137	864	19,239	12,701	3,261	3,278	40.9	43.0
Craftsmen and foremen	8,920	313	231	8,376	5,448	1,467	1,461	41.7	43.0
Operatives	8,330	343	219	7,768	4,961	1,327	1,480	42.3	43.7
Nonfarm laborers	3,989	481	414	3,094	2,289	467	338	36.1	41.4
Service workers	3,820	208	445	3,167	2,088	480	599	40.1	44.2
Private household	44	3	18	23	15	1	7	32.8	49.3
Other service workers	3,776	206	427	3,143	2,073	479	592	40.1	44.1
FEMALE									
White-collar workers	14,463	496	2,607	11,360	9,638	924	798	35.7	40.1
Professional and technical	2,154	59	445	1,650	1,408	118	125	34.6	40.0
Managers, officials, and proprietors	1,346	26	136	1,184	694	157	333	42.4	45.8
Clerical workers	9,011	265	1,290	7,456	6,697	524	235	36.0	39.2
Sales workers	1,951	146	735	1,070	840	125	105	30.9	40.7
Blue-collar workers	4,071	394	270	3,407	2,811	419	177	36.8	39.9
Craftsmen and foremen	361	13	52	296	232	29	34	37.6	41.4
Operatives	3,462	356	178	2,928	2,445	365	119	36.9	39.6
Nonfarm laborers	247	25	40	182	131	26	25	34.2	41.3
Service workers	5,664	537	1,768	3,359	2,561	435	363	32.1	41.3
Private household	1,284	224	579	481	314	73	94	25.5	43.3
Other service workers	4,380	313	1,189	2,878	2,247	362	269	34.0	40.9

A-26: Persons at work in nonfarm occupations by full- or part-time status and sex--Continued

August 1971

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			
				Total	40 hours or less	41 to 48 hours	49 hours or more
(Percent distribution)							
TOTAL							
White-collar workers	100.0	2.4	10.7	86.9	58.7	10.1	18.0
Professional and technical	100.0	1.8	9.7	88.4	61.6	9.1	17.8
Managers, officials, and proprietors	100.0	1.1	3.6	95.3	43.0	14.5	37.7
Clerical workers	100.0	2.8	12.3	84.9	72.8	7.6	4.5
Sales workers	100.0	4.8	20.5	74.7	44.5	10.9	19.3
Blue-collar workers	100.0	6.0	4.5	89.5	61.3	14.5	13.7
Craftsmen and foremen	100.0	3.5	3.0	93.4	61.2	16.1	16.1
Operatives	100.0	5.9	3.4	90.7	62.8	14.3	13.6
Nonfarm laborers	100.0	11.9	10.7	77.4	57.2	11.6	8.5
Service workers	100.0	7.9	23.3	68.8	49.0	9.6	10.1
Private household	100.0	17.1	44.9	38.0	24.9	5.5	7.6
Other service workers	100.0	6.4	19.8	73.8	53.0	10.3	10.6
MALE							
White-collar workers	100.0	1.6	4.7	93.7	52.2	13.2	28.3
Professional and technical	100.0	1.5	5.3	93.2	60.1	10.5	22.6
Managers, officials, and proprietors	100.0	.9	2.3	96.8	41.3	15.1	40.3
Clerical workers	100.0	2.3	6.3	91.4	68.2	12.9	10.3
Sales workers	100.0	2.8	7.8	89.4	45.5	14.4	29.6
Blue-collar workers	100.0	5.4	4.1	90.6	59.8	15.4	15.4
Craftsmen and foremen	100.0	3.5	2.6	93.9	61.1	16.4	16.4
Operatives	100.0	4.1	2.6	93.3	59.6	15.9	17.8
Nonfarm laborers	100.0	12.1	10.4	77.6	57.4	11.7	8.5
Service workers	100.0	5.4	11.6	82.9	54.7	12.6	15.7
Private household	100.0	6.8	40.9	52.3	34.1	2.3	15.9
Other service workers	100.0	5.5	11.3	83.2	54.9	12.7	15.7
FEMALE							
White-collar workers	100.0	3.4	18.0	78.5	66.6	6.4	5.5
Professional and technical	100.0	2.7	20.7	76.6	65.4	5.5	5.8
Managers, officials, and proprietors	100.0	1.9	10.1	88.0	51.6	11.7	24.7
Clerical workers	100.0	2.9	14.3	82.7	74.3	5.8	2.6
Sales workers	100.0	7.5	37.7	54.8	43.1	6.4	5.4
Blue-collar workers	100.0	9.7	6.6	83.7	69.0	10.3	4.3
Craftsmen and foremen	100.0	3.6	14.4	82.0	64.4	8.1	9.4
Operatives	100.0	10.3	5.1	84.6	70.6	10.5	3.4
Nonfarm laborers	100.0	10.1	16.2	73.7	53.0	10.5	10.1
Service workers	100.0	9.5	31.2	59.3	45.2	7.7	6.4
Private household	100.0	17.4	45.1	37.5	24.5	5.7	7.3
Other service workers	100.0	7.1	27.1	65.7	51.3	8.3	6.1

A-27: Employment status of 14- 15 year-olds by sex and color

August 1971

(In thousands)

Employment status	Total			White			Negro and other races		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Civilian noninstitutional population...	8,136	4,122	4,014	6,978	3,547	3,431	1,158	575	583
Civilian labor force.....	2,147	1,347	800	1,864	1,169	696	283	178	104
Employed.....	1,936	1,201	735	1,723	1,066	657	213	135	78
Agriculture.....	376	301	75	325	269	56	51	32	19
Nonagricultural industries.....	1,560	900	660	1,398	797	601	162	103	59
Unemployed.....	211	146	65	142	103	39	70	43	26
Not in labor force.....	5,988	2,775	3,213	5,114	2,378	2,735	875	396	478
Keeping house.....	444	36	408	361	32	329	83	4	79
Going to school.....	304	163	141	224	122	102	80	41	39
Unable to work.....	7	2	4	7	3	4	--	--	--
All other reasons.....	5,233	2,574	2,659	4,521	2,222	2,300	712	352	360

A-28: Employed 14- 15 year-olds by sex, class of worker, and major occupation group

August 1971

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
CLASS OF WORKER						
Total.....	1,936	1,201	735	100.0	100.0	100.0
Nonagricultural industries.....	1,560	900	660	80.6	74.9	89.8
Wage and salary workers.....	1,401	768	633	72.4	64.0	86.0
Private household workers.....	564	180	384	29.1	15.0	52.2
Government workers.....	153	85	67	7.9	7.1	9.1
Other wage and salary workers.....	685	503	181	35.4	41.9	24.6
Self-employed workers.....	120	98	22	6.2	8.2	3.0
Unpaid family workers.....	39	33	6	2.0	2.7	.8
Agriculture.....	376	301	75	19.4	25.1	10.2
Wage and salary workers.....	215	175	40	11.1	14.6	5.4
Self-employed workers.....	30	28	2	1.5	2.3	.3
Unpaid family workers.....	131	98	33	6.8	8.2	4.5
OCCUPATION						
Total.....	1,936	1,201	735	100.0	100.0	100.0
White-collar workers.....	349	240	109	18.0	20.0	14.8
Professional and technical.....	11	3	8	.6	.2	1.1
Managers, officials, and proprietors.....	7	5	2	.4	.4	.3
Clerical workers.....	94	31	63	4.9	2.6	8.6
Sales workers.....	236	201	36	12.2	16.7	4.9
Blue-collar workers.....	497	464	33	25.7	38.6	4.5
Craftsmen and foremen.....	42	35	6	2.2	2.9	.8
Operatives.....	73	63	10	3.8	5.2	1.4
Nonfarm laborers.....	383	365	17	19.8	30.4	2.3
Service workers.....	749	227	522	38.7	18.9	71.1
Private household workers.....	391	13	379	20.2	1.1	51.5
Other service workers.....	358	214	144	18.5	17.8	19.6
Farm workers.....	342	271	71	17.6	22.6	9.6
Farmers and farm managers.....	4	4	1	.2	.3	.1
Farm laborers and foremen.....	337	267	70	17.4	22.2	9.5

HOUSEHOLD DATA
SEASONALLY ADJUSTED

A-29: Employment status of the noninstitutional population by sex and age, seasonally adjusted
(In thousands)

Employment status, sex, and age	1971								1970				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Total													
Total labor force	87,087	86,626	85,948	87,028	86,665	86,405	86,334	86,873	86,622	86,512	86,379	86,084	85,904
Civilian labor force	84,312	83,829	83,132	84,178	83,783	83,475	83,384	83,897	83,609	83,473	83,300	82,975	82,770
Employed	79,197	78,941	78,443	78,961	78,698	78,475	78,537	78,864	78,463	78,550	78,691	78,479	78,508
Agriculture	3,415	3,367	3,294	3,458	3,558	3,396	3,329	3,413	3,408	3,353	3,293	3,436	3,435
Nonagricultural industries	75,782	75,574	75,149	75,503	75,140	75,079	75,208	75,451	75,055	75,197	75,398	75,043	75,073
On part time for economic reasons	2,469	2,450	2,176	2,504	2,494	2,455	2,458	2,484	2,533	2,413	2,409	2,075	2,259
Usually work full time	1,173	1,134	990	1,219	1,309	1,242	1,227	1,377	1,382	1,249	1,347	1,005	1,292
Usually work part time	1,296	1,316	1,186	1,285	1,185	1,213	1,231	1,107	1,151	1,164	1,062	1,070	967
Unemployed	5,115	4,888	4,689	5,217	5,085	5,000	4,847	5,033	5,146	4,923	4,609	4,496	4,262
Men, 20 years and over													
Total labor force	50,475	50,376	50,225	50,392	50,230	49,994	49,811	50,074	50,158	50,184	40,134	50,098	49,970
Civilian labor force	48,074	47,956	47,789	47,893	47,703	47,425	47,239	47,480	47,531	47,548	47,463	47,401	47,243
Employed	45,903	45,888	45,765	45,737	45,625	45,411	45,237	45,425	45,365	45,531	45,531	45,530	45,472
Agriculture	2,472	2,458	2,426	2,460	2,476	2,439	2,347	2,435	2,458	2,472	2,444	2,518	2,528
Nonagricultural industries	43,431	43,430	43,339	43,277	43,149	42,972	42,890	42,990	42,907	43,059	43,087	43,012	42,944
Unemployed	2,171	2,068	2,024	2,156	2,078	2,014	2,002	2,055	2,166	2,017	1,932	1,871	1,771
Women, 20 years and over													
Civilian labor force	28,859	28,525	28,386	28,586	28,489	28,594	28,645	28,855	28,644	28,580	28,520	28,249	28,413
Employed	27,172	26,897	26,818	26,857	26,791	26,938	27,051	27,211	26,988	26,967	27,084	26,829	27,044
Agriculture	543	516	510	539	583	539	551	544	538	519	507	533	521
Nonagricultural industries	26,629	26,381	26,308	26,318	26,208	26,399	26,500	26,667	26,450	26,448	26,577	26,296	26,523
Unemployed	1,687	1,628	1,568	1,729	1,698	1,656	1,594	1,644	1,656	1,613	1,436	1,420	1,369
Both sexes, 16-19 years													
Civilian labor force	7,379	7,348	6,957	7,699	7,591	7,456	7,500	7,562	7,434	7,345	7,317	7,325	7,114
Employed	6,122	6,156	5,860	6,367	6,282	6,126	6,249	6,228	6,110	6,052	6,076	6,120	5,992
Agriculture	400	393	358	459	499	418	431	434	412	362	342	385	386
Nonagricultural industries	5,722	5,763	5,502	5,908	5,783	5,708	5,818	5,794	5,698	5,690	5,734	5,735	5,606
Unemployed	1,257	1,192	1,097	1,332	1,309	1,330	1,251	1,334	1,324	1,293	1,241	1,205	1,122

NOTE: Because of the independent seasonal adjustment of the various series, detail for the household data shown in tables A-29 through A-37 will not necessarily add to totals.

A-30: Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted

(Numbers in thousands)

Full- and part-time employment status, sex, and age	1971								1970				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Full time													
Total, 16 years and over:													
Civilian labor force	72,232	72,006	71,308	72,338	71,810	71,351	71,627	71,710	71,937	71,815	71,560	71,422	71,084
Employed	68,242	68,161	67,563	68,156	67,896	67,410	67,765	67,766	67,805	67,789	67,914	67,881	67,754
Unemployed	3,990	3,845	3,745	4,182	3,914	3,941	3,862	3,944	4,132	4,026	3,646	3,541	3,330
Unemployment rate	5.5	5.3	5.3	5.8	5.5	5.5	5.4	5.5	5.7	5.6	5.1	5.0	4.7
Men, 20 years and over:													
Civilian labor force	45,697	45,738	45,479	45,619	45,326	45,055	45,048	45,138	45,300	45,268	45,172	45,118	44,958
Employed	43,669	43,819	43,598	43,652	43,434	43,217	43,202	43,272	43,318	43,402	43,361	43,403	43,339
Unemployed	2,028	1,919	1,881	1,967	1,892	1,838	1,846	1,866	1,982	1,866	1,811	1,715	1,619
Unemployment rate	4.4	4.2	4.1	4.3	4.2	4.1	4.1	4.1	4.4	4.1	4.0	3.8	3.6
Women, 20 years and over:													
Civilian labor force	22,620	22,315	22,278	22,493	22,448	22,349	22,599	22,575	22,512	22,514	22,481	22,286	22,328
Employed	21,339	21,049	21,023	21,039	21,130	21,013	21,331	21,269	21,191	21,178	21,324	21,144	21,245
Unemployed	1,281	1,266	1,255	1,454	1,318	1,336	1,268	1,306	1,321	1,336	1,157	1,142	1,083
Unemployment rate	5.7	5.7	5.6	6.5	5.9	6.0	5.6	5.8	5.9	5.9	5.1	5.1	4.9
Part time													
Total, 16 years and over:													
Civilian labor force	12,222	11,960	12,012	11,731	11,853	12,092	11,747	12,291	11,640	11,736	11,665	11,682	11,793
Employed	11,089	10,924	11,095	10,650	10,739	11,038	10,727	11,156	10,637	10,746	10,701	10,702	10,866
Unemployed	1,133	1,036	917	1,081	1,114	1,054	1,020	1,135	1,003	990	964	980	927
Unemployment rate	9.3	8.7	7.6	9.2	9.4	8.7	8.7	9.2	8.6	8.4	8.3	8.4	7.9

NOTE: Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether-seeking full- or part-time work.

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-31: Employment status by color, sex, and age, seasonally adjusted

(In thousands)

Characteristics	1971								1970				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
White													
Total:													
Civilian labor force	74,794	74,403	73,882	74,761	74,498	74,217	74,169	74,803	74,340	74,333	74,211	73,747	73,409
Employed	70,578	70,439	70,035	70,511	70,349	70,083	70,204	70,626	70,186	70,215	70,386	70,067	69,910
Unemployed	4,216	3,964	3,847	4,250	4,149	4,134	3,965	4,177	4,154	4,118	3,825	3,680	3,499
Unemployment rate	5.6	5.3	5.2	5.7	5.6	5.6	5.3	5.6	5.6	5.5	5.2	5.0	4.8
Males, 20 years and over:													
Civilian labor force	43,274	43,174	43,042	43,154	42,942	42,705	42,576	42,732	42,666	42,807	42,782	42,616	42,463
Employed	41,450	41,450	41,306	41,312	41,185	40,973	40,881	41,011	40,983	41,086	41,117	41,061	40,963
Unemployed	1,824	1,724	1,736	1,842	1,757	1,732	1,695	1,721	1,683	1,721	1,665	1,555	1,500
Unemployment rate	4.2	4.0	4.0	4.3	4.1	4.1	4.0	4.0	3.9	4.0	3.9	3.6	3.5
Females, 20 years and over:													
Civilian labor force	24,952	24,732	24,620	24,733	24,800	24,873	24,869	25,246	25,020	24,922	24,871	24,567	24,650
Employed	23,570	23,420	23,346	23,425	23,437	23,535	23,605	23,899	23,618	23,589	23,705	23,416	23,535
Unemployed	1,382	1,312	1,274	1,308	1,363	1,338	1,264	1,347	1,402	1,333	1,166	1,151	1,115
Unemployment rate	5.5	5.3	5.2	5.3	5.5	5.4	5.1	5.3	5.6	5.3	4.7	4.7	4.5
Both sexes, 16 to 19 years:													
Civilian labor force	6,568	6,497	6,220	6,874	6,756	6,639	6,724	6,825	6,654	6,604	6,558	6,564	6,296
Employed	5,558	5,569	5,383	5,774	5,727	5,575	5,718	5,716	5,585	5,540	5,564	5,590	5,412
Unemployed	1,010	928	837	1,100	1,029	1,064	1,006	1,109	1,069	1,064	994	974	884
Unemployment rate	15.4	14.3	13.5	16.0	15.2	16.0	15.0	16.2	16.1	16.1	15.2	14.8	14.0
Negro and other races													
Total:													
Civilian labor force	9,402	9,394	9,150	9,381	9,257	9,335	9,268	9,243	9,223	9,181	9,132	9,185	9,245
Employed	8,485	8,448	8,294	8,400	8,332	8,456	8,382	8,367	8,347	8,358	8,283	8,378	8,469
Unemployed	917	946	856	981	925	879	886	876	876	823	849	807	776
Unemployment rate	9.8	10.1	9.4	10.5	10.0	9.4	9.6	9.5	9.5	9.0	9.3	8.8	8.4
Males, 20 years and over:													
Civilian labor force	4,789	4,780	4,749	4,741	4,751	4,746	4,705	4,786	4,784	4,742	4,732	4,766	4,770
Employed	4,436	4,428	4,422	4,418	4,429	4,454	4,388	4,436	4,425	4,458	4,412	4,460	4,494
Unemployed	353	352	327	323	322	292	317	350	359	284	320	306	276
Unemployment rate	7.4	7.4	6.9	6.8	6.8	6.2	6.7	7.3	7.5	6.0	6.8	6.4	5.8
Females, 20 years and over:													
Civilian labor force	3,825	3,773	3,703	3,819	3,706	3,754	3,800	3,708	3,654	3,655	3,606	3,647	3,680
Employed	3,508	3,445	3,410	3,415	3,360	3,437	3,470	3,419	3,388	3,372	3,346	3,383	3,416
Unemployed	317	328	293	404	346	317	330	289	266	283	260	264	264
Unemployment rate	8.3	8.7	7.9	10.6	9.3	8.4	8.7	7.8	7.3	7.7	7.2	7.2	7.2
Both sexes, 16 to 19 years:													
Civilian labor force	788	841	698	821	800	835	763	749	785	784	794	772	795
Employed	541	575	462	567	543	565	524	512	534	528	525	535	559
Unemployed	247	266	236	254	257	270	239	237	251	256	269	237	236
Unemployment rate	31.3	31.6	33.8	30.9	32.1	32.3	31.3	31.6	32.0	32.7	33.9	30.7	29.7

A-32: Unemployed persons by duration of unemployment, seasonally adjusted

(In thousands)

Duration of unemployment	1971								1970				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Less than 5 weeks	2,372	2,112	2,040	2,267	2,276	2,116	2,154	2,322	2,456	2,333	2,373	2,271	2,217
5 to 14 weeks	1,535	1,532	1,574	1,519	1,560	1,649	1,595	1,624	1,612	1,758	1,490	1,470	1,340
15 weeks and over	1,305	1,311	1,173	1,202	1,071	1,107	1,069	1,079	1,084	880	754	788	727
15 to 26 weeks	752	747	609	622	641	651	614	666	750	555	496	507	475
27 weeks and over	553	564	564	580	430	456	455	413	334	325	258	281	252
Average (mean) duration	11.5	11.6	12.7	11.5	10.9	10.8	10.4	10.4	9.7	9.3	8.5	9.0	8.8

HOUSEHOLD DATA
SEASONALLY ADJUSTED

A-33: Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Selected categories	1971								1970				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Total (all civilian workers)	6.1	5.8	5.6	6.2	6.1	6.0	5.8	6.0	6.2	5.9	5.5	5.4	5.1
Men, 20 years and over	4.5	4.3	4.2	4.5	4.4	4.2	4.2	4.3	4.6	4.2	4.1	3.9	3.7
Women, 20 years and over	5.8	5.7	5.5	6.0	6.0	5.8	5.6	5.7	5.8	5.6	5.0	5.0	4.8
Both sexes, 16-19 years	17.0	16.2	15.8	17.3	17.2	17.8	16.7	17.6	17.8	17.6	17.0	16.5	15.8
White	5.6	5.3	5.2	5.7	5.6	5.6	5.3	5.6	5.6	5.5	5.2	5.0	4.8
Negro and other races	9.8	10.1	9.4	10.5	10.0	9.4	9.6	9.5	9.5	9.0	9.3	8.8	8.4
Married men	3.2	3.1	3.1	3.3	3.1	3.2	3.2	3.3	3.4	3.2	3.0	2.9	2.8
Full-time workers	5.5	5.3	5.3	5.8	5.5	5.5	5.4	5.5	5.7	5.6	5.1	5.0	4.7
Part-time workers	9.3	8.7	7.6	9.2	9.4	8.7	8.7	9.2	8.6	8.4	8.3	8.4	7.9
Unemployed 15 weeks and over ¹	1.5	1.6	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.1	.9	.9	.9
State insured ²	4.2	3.9	4.4	4.2	3.9	3.9	3.7	3.7	4.2	4.6	4.5	4.2	3.7
Labor force time lost ³	6.5	6.3	5.6	6.8	6.4	6.5	6.3	6.4	6.4	6.4	6.1	5.9	5.5
Occupation													
White-collar workers	3.5	3.6	3.1	3.7	3.8	3.7	3.5	3.5	3.8	3.6	3.0	2.9	2.8
Professional and technical	3.1	2.8	2.1	3.2	3.3	3.4	3.3	3.0	2.9	2.6	1.9	2.0	1.9
Managers, officials, and proprietors	1.4	1.8	1.7	1.5	1.6	1.7	1.5	1.7	1.7	1.7	1.4	1.5	1.3
Clerical workers	4.8	5.0	4.6	4.8	5.2	4.9	4.7	4.9	5.3	5.0	4.3	4.0	3.9
Sales workers	4.5	4.7	3.9	5.5	4.5	4.4	3.9	4.1	5.1	4.9	4.0	3.9	4.0
Blue-collar workers	7.6	7.1	7.0	7.5	7.4	7.4	7.4	7.6	7.8	7.4	7.3	7.3	6.9
Craftsmen and foremen	5.5	5.3	3.9	4.1	4.5	4.9	4.3	5.1	5.0	4.5	4.0	5.3	4.4
Operatives	8.3	8.0	8.1	8.8	8.6	8.4	8.4	8.6	9.0	8.8	8.5	7.6	7.8
Nonfarm laborers	10.5	9.1	11.2	11.5	10.2	10.0	11.3	10.6	11.0	10.1	11.2	11.2	10.1
Service workers	6.6	6.6	6.2	6.4	6.3	6.0	5.9	6.4	6.2	6.0	5.7	5.7	5.5
Farm workers	2.8	2.8	2.2	1.9	1.8	2.2	3.2	3.2	3.3	2.7	2.9	3.9	2.6
Industry													
Private wage and salary workers ⁴	6.2	6.1	6.0	6.5	6.3	6.4	6.1	6.4	6.6	6.2	6.0	5.8	5.5
Construction	10.2	9.6	10.4	11.2	9.6	10.9	11.0	11.2	11.8	9.1	11.7	12.7	11.8
Manufacturing	6.9	6.6	6.5	6.9	7.0	6.9	6.8	7.2	7.6	7.3	6.7	6.1	5.8
Durable goods	6.8	6.5	6.9	7.2	7.5	7.3	7.1	7.2	8.0	8.2	7.3	6.3	5.7
Nondurable goods	7.0	6.7	6.0	6.4	6.3	6.4	6.4	7.1	7.2	6.1	5.8	5.8	5.9
Transportation and public utilities	3.1	3.0	3.3	4.4	4.0	3.3	4.0	4.6	4.1	3.6	3.5	3.0	3.1
Wholesale and retail trade	6.2	6.4	6.5	6.9	6.5	6.7	6.2	6.1	6.7	6.1	5.8	5.7	5.5
Finance and service industries	5.4	5.4	4.7	5.1	5.3	5.3	4.8	5.0	4.9	5.1	4.5	4.8	4.4
Government wage and salary workers	3.1	2.9	2.5	3.0	2.8	2.8	2.6	2.9	3.0	2.8	2.5	2.0	2.2
Agricultural wage and salary workers	9.4	8.3	5.7	7.5	6.1	6.5	9.4	9.0	9.6	8.8	8.4	9.1	8.0

¹Unemployment rate calculated as a percent of civilian labor force.

²Insured unemployment under State programs as a percent of average covered employment.

³Man-hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force man-hours.

⁴Includes mining, not shown separately.

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-34: Rates of unemployment by sex and age, seasonally adjusted

Sex and age	1971								1970				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Total, 16 years and over...	6.1	5.8	5.6	6.2	6.1	6.0	5.8	6.0	6.2	5.9	5.5	5.4	5.1
16 to 19 years	17.0	16.2	15.8	17.3	17.2	17.8	16.7	17.6	17.8	17.6	17.0	16.5	15.8
16 and 17 years	19.7	18.3	18.1	19.0	18.3	18.8	17.4	20.3	19.8	18.6	19.7	19.0	17.3
18 and 19 years	15.0	14.9	13.9	16.7	15.8	17.2	16.1	16.0	16.5	16.6	15.1	14.6	14.5
20 to 24 years	10.1	9.7	9.9	11.1	10.4	10.0	9.4	9.7	10.2	10.0	9.1	9.3	8.4
25 years and over	4.1	4.0	3.8	4.0	4.0	4.0	3.9	4.0	4.2	3.9	3.7	3.5	3.4
25 to 54 years	4.3	4.2	3.9	4.1	4.2	4.2	4.0	4.1	4.4	4.2	3.9	3.6	3.6
55 years and over	3.5	3.1	3.4	3.6	3.6	3.3	3.6	3.6	3.5	3.3	3.0	3.1	2.8
Males, 16 years and over.....	5.5	5.2	5.1	5.6	5.3	5.3	5.2	5.4	5.6	5.2	5.1	4.9	4.7
16 to 19 years	17.3	15.5	15.7	17.6	16.5	17.0	16.2	17.6	17.2	16.5	17.0	16.4	15.7
16 and 17 years	19.5	18.5	17.7	17.5	18.5	18.4	17.3	19.8	20.0	17.7	19.8	19.4	17.0
18 and 19 years	15.4	13.5	13.7	18.0	14.9	16.0	15.3	15.7	15.0	15.1	14.9	14.2	14.5
20 to 24 years	10.5	10.1	9.7	10.8	10.5	10.0	9.7	10.4	10.9	10.4	10.6	10.1	8.7
25 years and over	3.6	3.4	3.3	3.6	3.5	3.4	3.4	3.5	3.7	3.4	3.2	3.0	3.0
25 to 54 years	3.6	3.5	3.4	3.6	3.4	3.4	3.2	3.4	3.6	3.5	3.3	3.0	3.0
55 years and over	3.3	3.1	3.3	3.5	3.7	3.5	3.9	3.8	3.7	3.5	3.0	3.1	3.0
Females, 16 years and over.....	7.0	6.9	6.5	7.2	7.3	7.2	6.8	6.9	7.1	7.0	6.3	6.2	5.9
16 to 19 years	16.7	17.1	15.9	16.9	18.2	18.8	17.2	17.7	18.6	19.0	16.9	16.5	15.8
16 and 17 years	19.9	18.1	18.7	20.8	17.9	19.4	17.5	21.0	19.4	19.8	19.5	18.6	17.6
18 and 19 years	14.6	16.5	14.1	15.2	16.9	18.5	17.0	16.4	18.2	18.4	15.3	14.9	14.6
20 to 24 years	9.5	9.1	10.1	11.5	10.3	10.1	9.1	9.0	9.3	9.6	7.4	8.2	8.1
25 years and over	5.1	5.0	4.5	4.8	5.0	5.0	4.8	4.9	5.1	4.8	4.6	4.3	4.2
25 to 54 years	5.5	5.5	5.0	5.1	5.5	5.6	5.3	5.2	5.7	5.4	5.0	4.7	4.6
55 years and over	3.8	3.3	3.6	3.7	3.4	3.1	3.1	3.3	3.1	2.9	3.0	3.0	2.6

A-35: Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reason for unemployment	1971								1970				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Number of unemployed													
Lost last job	2,449	2,258	2,339	2,311	2,281	2,185	2,288	2,281	2,536	2,385	2,208	2,099	1,974
Left last job	568	518	476	618	606	594	652	643	614	607	590	540	563
Reentered labor force	1,507	1,544	1,338	1,527	1,460	1,537	1,296	1,497	1,472	1,397	1,214	1,335	1,269
Never worked before	644	548	540	740	688	678	589	644	594	607	553	538	492
Percent distribution													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lost last job	47.4	46.4	49.8	44.5	45.3	43.8	47.4	45.0	48.6	47.7	48.4	46.5	45.9
Left last job	11.0	10.6	10.1	11.9	12.0	11.9	13.5	12.7	11.8	12.1	12.9	12.0	13.1
Reentered labor force	29.2	31.7	28.5	29.4	29.0	30.8	26.9	29.6	28.2	28.0	26.6	29.6	29.5
Never worked before	12.5	11.3	11.5	14.2	13.7	13.6	12.2	12.7	11.4	12.1	12.1	11.9	11.4
Unemployed as a percent of the civilian labor force													
Lost last job	2.9	2.7	2.8	2.7	2.7	2.6	2.7	2.7	3.0	2.9	2.7	2.5	2.4
Left last job .....	.7	.6	.6	.7	.7	.7	.8	.8	.7	.7	.7	.7	.7
Reentered labor force	1.8	1.8	1.6	1.8	1.7	1.8	1.6	1.8	1.8	1.7	1.5	1.6	1.5
Never worked before .....	.8	.7	.6	.9	.8	.8	.7	.8	.7	.7	.7	.6	.6

HOUSEHOLD DATA
SEASONALLY ADJUSTED

A-36: Employed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1971								1970				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Total													
16 years and over	79,197	78,941	78,443	78,961	78,698	78,475	78,537	78,864	78,463	78,550	78,691	78,479	78,508
16 to 19 years	6,122	6,156	6,860	6,367	6,282	6,126	6,249	6,228	6,110	6,052	6,076	6,120	5,992
16 and 17 years	2,515	2,522	2,324	2,688	2,660	2,627	2,709	2,684	2,544	2,541	2,531	2,586	2,540
18 and 19 years	3,573	3,617	3,546	3,658	3,619	3,517	3,555	3,555	-3,559	3,528	3,559	3,544	3,413
20 to 24 years	10,285	10,209	9,954	10,014	9,980	9,839	9,795	9,926	9,879	9,859	9,940	9,858	9,778
25 years and over	62,750	62,539	62,635	62,589	62,431	62,533	62,489	62,722	62,461	62,646	62,679	62,506	62,731
25 to 54 years	48,742	48,570	48,646	48,687	48,446	48,495	48,619	48,667	48,436	48,577	48,592	48,489	48,655
55 years and over	13,972	13,907	13,867	13,948	13,956	14,072	13,928	14,237	14,064	14,015	14,054	13,980	14,035
Male													
16 years and over	49,289	49,340	49,035	49,243	49,144	48,793	48,725	48,908	48,870	48,964	48,870	48,898	48,754
16 to 19 years	3,386	3,452	3,270	3,506	3,519	3,382	3,488	3,483	3,505	3,433	3,339	3,368	3,282
16 and 17 years	1,466	1,481	1,376	1,552	1,548	1,476	1,577	1,561	1,537	1,489	1,439	1,484	1,455
18 and 19 years	1,890	1,959	1,898	1,969	1,957	1,915	1,920	1,924	1,973	1,956	1,914	1,890	1,793
20 to 24 years	5,597	5,552	5,494	5,540	5,510	5,405	5,322	5,365	5,400	5,342	5,299	5,308	5,250
25 years and over	40,294	40,295	40,249	40,216	40,114	40,027	39,926	40,038	39,997	40,165	40,230	40,235	40,234
25 to 54 years	31,315	31,347	31,271	31,253	31,204	31,070	31,148	31,094	31,132	31,281	31,290	31,301	31,248
55 years and over	8,949	8,939	8,907	8,971	8,912	8,943	8,812	9,007	8,901	8,900	8,938	8,927	8,957
Female													
16 years and over	29,908	29,601	29,408	29,718	29,554	29,682	29,812	29,956	29,593	29,586	29,821	29,581	29,754
16 to 19 years	2,736	2,704	2,590	2,861	2,763	2,744	2,761	2,745	2,605	2,619	2,737	2,752	2,710
16 and 17 years	1,049	1,041	948	1,136	1,112	1,151	1,132	1,123	1,007	1,052	1,092	1,102	1,085
18 and 19 years	1,683	1,658	1,648	1,689	1,662	1,602	1,635	1,631	1,586	1,572	1,645	1,654	1,620
20 to 24 years	4,688	4,657	4,460	4,474	4,470	4,434	4,473	4,561	4,479	4,517	4,641	4,550	4,528
25 years and over	22,456	22,244	22,386	22,373	22,317	22,506	22,563	22,684	22,464	22,481	22,449	22,271	22,497
25 to 54 years	17,427	17,223	17,375	17,434	17,242	17,425	17,471	17,573	17,304	17,296	17,302	17,188	17,407
55 years and over	5,023	4,968	4,960	4,977	5,044	5,129	5,116	5,230	5,163	5,115	5,116	5,053	5,078

A-37: Employed persons by major occupation group, seasonally adjusted

(In thousands)

Occupation group	1971								1970				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
White-collar workers	38,560	38,035	37,868	38,128	37,932	37,838	37,791	38,086	38,107	38,165	38,110	38,003	37,950
Professional and technical	11,236	11,019	11,247	11,025	10,969	10,837	10,907	10,777	11,132	11,156	11,172	11,234	11,280
Managers, officials, and proprietors	8,850	8,661	8,588	8,680	8,607	8,662	8,573	8,729	8,408	8,378	8,349	8,246	8,248
Clerical workers	13,439	13,306	13,119	13,394	13,236	13,247	13,265	13,474	13,613	13,700	13,671	13,647	13,543
Sales workers	5,035	5,049	4,914	5,029	5,120	5,092	5,046	5,106	4,954	4,931	4,918	4,876	4,879
Blue-collar workers	26,887	27,182	27,031	26,978	27,005	26,999	27,196	27,023	27,444	27,695	27,736	27,580	27,683
Craftsmen and foremen	10,025	10,275	10,219	10,059	10,050	10,045	10,291	9,985	10,149	10,163	10,205	10,149	10,090
Operatives	12,859	12,838	12,968	12,915	12,927	12,899	12,841	12,931	13,583	13,747	13,895	13,728	13,811
Nonfarm laborers	4,003	4,069	3,844	4,004	4,028	4,055	4,064	4,107	3,712	3,785	3,636	3,703	3,782
Service workers	10,710	10,666	10,576	10,743	10,492	10,681	10,621	10,749	9,799	9,728	9,834	9,915	9,776
Farmers and farm laborers	3,036	3,002	2,941	3,025	3,169	2,991	2,944	3,026	3,080	2,990	2,997	3,095	3,086

NOTE: Comparisons with data prior to January 1971 are affected by the reclassification of census occupations that was introduced in that month. For an explanation of the changes, see "Revisions in Occupational Classifications for 1971" in the February 1971 issue of Employment and Earnings.

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

**B-1: Employees on nonagricultural payrolls, by industry division
1919 to date**
(In thousands)

Year and month	Total	Goods-producing				Service-producing									
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
								Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	27,088	12,813	1,133	1,021	10,659	14,275	3,711	4,514	-	-	1,111	2,263	2,676	-	-
1920.....	27,350	12,745	1,239	848	10,658	14,605	3,998	4,467	-	-	1,175	2,362	2,603	-	-
1921.....	24,382	10,231	962	1,012	8,257	14,151	3,459	4,589	-	-	1,163	2,412	2,528	-	-
1922.....	25,827	11,234	929	1,185	9,120	14,593	3,505	4,903	-	-	1,144	2,503	2,538	-	-
1923.....	28,394	12,741	1,212	1,229	10,300	15,653	3,882	5,290	-	-	1,190	2,684	2,607	-	-
1924.....	28,040	12,093	1,101	1,321	9,671	15,947	3,807	5,407	-	-	1,231	2,782	2,720	-	-
1925.....	28,778	12,474	1,089	1,446	9,939	16,304	3,826	5,576	-	-	1,233	2,869	2,800	-	-
1926.....	29,819	12,896	1,185	1,555	10,156	16,923	3,942	5,784	-	-	1,305	3,046	2,846	-	-
1927.....	29,976	12,723	1,114	1,608	10,001	17,253	3,895	5,908	-	-	1,367	3,168	2,915	-	-
1928.....	30,000	12,603	1,050	1,606	9,947	17,397	3,828	5,874	-	-	1,435	3,265	2,995	-	-
1929.....	31,339	13,286	1,087	1,497	10,702	18,053	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532
1930.....	29,424	11,943	1,009	1,372	9,562	17,481	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622
1931.....	26,649	10,257	873	1,214	8,170	16,392	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704
1932.....	23,628	8,632	731	970	6,931	14,996	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666
1933.....	23,711	8,950	744	809	7,397	14,761	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601
1934.....	25,953	10,246	883	862	8,501	15,707	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647
1935.....	27,053	10,878	897	912	9,069	16,175	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728
1936.....	29,082	11,918	946	1,145	9,827	17,164	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842
1937.....	31,026	12,921	1,015	1,112	10,794	18,105	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923
1938.....	29,209	11,386	891	1,055	9,440	17,823	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054
1939.....	30,618	12,282	854	1,150	10,278	18,336	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090
1940.....	32,376	13,204	925	1,294	10,985	19,173	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206
1941.....	36,554	15,939	957	1,790	13,192	20,614	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320
1942.....	40,125	18,442	992	2,170	15,280	21,683	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270
1943.....	42,452	20,094	925	1,567	17,602	22,359	3,647	6,982	1,741	5,241	1,503	4,148	6,080	2,905	3,174
1944.....	41,883	19,314	892	1,094	17,328	22,569	3,829	7,058	1,762	5,296	1,476	4,263	6,043	2,928	3,116
1945.....	40,394	17,492	836	1,132	15,524	22,902	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137
1946.....	41,674	17,226	862	1,661	14,703	24,448	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341
1947.....	43,881	18,482	955	1,982	15,545	25,399	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,382
1948.....	44,891	18,745	994	2,169	15,582	26,146	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787
1949.....	43,778	17,536	930	2,165	14,441	26,242	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948
1950.....	45,222	18,475	901	2,333	15,241	26,747	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098
1951.....	47,849	19,925	929	2,603	16,393	27,924	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087
1952.....	48,825	20,164	898	2,634	16,632	28,660	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188
1953.....	50,232	21,038	866	2,623	17,549	29,105	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340
1954.....	49,022	19,717	791	2,612	16,314	29,306	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563
1955.....	50,675	20,476	792	2,802	16,882	30,199	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727
1956.....	52,408	21,064	822	2,999	17,243	31,344	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069
1957.....	52,894	20,925	828	2,923	17,174	31,969	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	5,399
1958.....	51,363	19,474	751	2,778	15,945	31,890	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	5,648
1959.....	53,313	20,367	732	2,960	16,675	32,945	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850
1960.....	54,234	20,393	712	2,885	16,796	33,840	4,004	11,391	3,004	8,388	2,669	7,423	8,353	2,270	6,083
1961.....	54,042	19,814	672	2,816	16,326	34,229	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	6,315
1962.....	55,596	20,405	650	2,902	16,853	35,190	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	6,550
1963.....	56,702	20,593	635	2,963	16,995	36,108	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	6,868
1964.....	58,331	20,958	634	3,050	17,274	37,373	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	7,248
1965.....	60,815	21,880	632	3,186	18,062	38,936	4,036	12,716	3,312	9,404	3,023	9,087	10,074	2,378	7,696
1966.....	63,955	23,116	627	3,275	19,214	40,839	4,151	13,245	3,437	9,808	3,100	9,551	10,792	2,564	8,227
1967.....	65,857	23,268	613	3,208	19,447	42,589	4,261	13,606	3,525	10,081	3,225	10,099	11,398	2,719	8,679
1968.....	67,915	23,672	606	3,285	19,781	44,244	4,310	14,084	3,611	10,473	3,382	10,623	11,845	2,737	9,109
1969.....	70,284	24,221	619	3,435	20,167	46,063	4,429	14,639	3,733	10,906	3,564	11,229	12,202	2,758	9,444
1970.....	70,616	23,336	622	3,345	19,369	47,280	4,504	14,922	3,824	11,098	3,690	11,630	12,535	2,705	9,830
1970: Aug.	70,452	23,654	636	3,599	19,419	46,798	4,582	14,838	3,858	10,980	3,742	11,679	11,957	2,675	9,282
Sept.	70,841	23,605	627	3,497	19,481	47,236	4,568	14,902	3,841	11,061	3,705	11,689	12,372	2,649	9,723
Oct.	70,604	22,906	622	3,471	18,813	47,698	4,531	15,002	3,856	11,146	3,699	11,745	12,721	2,643	10,078
Nov.	70,562	22,609	623	3,383	18,603	47,953	4,520	15,154	3,858	11,296	3,706	11,738	12,835	2,648	10,187
Dec.	71,151	22,677	621	3,233	18,823	48,474	4,454	15,706	3,863	11,843	3,712	11,717	12,885	2,693	10,192
1971: Jan.	69,527	22,111	611	2,921	18,579	47,416	4,435	14,862	3,810	11,052	3,709	11,611	12,799	2,640	10,159
Feb.	69,450	21,984	606	2,846	18,532	47,466	4,454	14,721	3,799	10,922	3,715	11,667	12,909	2,646	10,263
Mar.	69,782	22,063	608	2,967	18,488	47,719	4,466	14,789	3,806	10,983	3,735	11,758	12,971	2,649	10,322
Apr.	70,309	22,263	617	3,164	18,482	48,046	4,469	14,974	3,808	11,166	3,758	11,867	12,978	2,662	10,316
May	70,738	22,441	622	3,265	18,554	48,297	4,500	15,071	3,823	11,248	3,780	11,953	12,993	2,659	10,334
June	71,355	22,794	634	3,414	18,746	48,561	4,549	15,192	3,860	11,332	3,837	12,050	12,933	2,674	10,259
July ^P	70,479	22,535	615	3,480	18,440	47,944	4,535	15,124	3,877	11,247	3,866	12,022	12,397	2,688	9,709
Aug ^P	70,583	22,845	626	3,502	18,717	47,738	4,511	15,112	3,887	11,225	3,864	11,943	12,308	2,678	9,630

^Ppreliminary.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2: Employees on nonagricultural payrolls, by industry

SIC CODE	Industry	(In thousands)									
		All employees					Production workers ¹				
		Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970	Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970
-	TOTAL	70,583	70,479	71,355	70,452	70,542	-	-	-	-	-
-	PRIVATE SECTOR	58,275	58,082	58,422	58,495	58,487	48,185	47,978	48,322	48,328	48,304
-	MINING	626	615	634	636	635	469	462	482	484	483
10	METAL MINING	-	71.4	95.3	96.9	97.5	-	52.3	76.2	78.1	78.4
101	Iron ores	-	26.1	26.0	27.3	27.3	-	21.3	21.2	22.5	22.3
102	Copper ores	-	14.8	38.8	38.1	38.1	-	6.7	30.7	30.0	30.1
11,12	COAL MINING	-	156.8	155.4	145.9	143.6	-	134.6	133.4	126.0	124.2
12	Bituminous coal and lignite mining	-	151.4	149.9	140.3	138.2	-	129.9	128.6	121.1	119.3
13	OIL AND GAS EXTRACTION	-	267.6	265.2	272.9	273.9	-	176.3	174.9	180.1	180.7
131,2	Crude petroleum and natural gas fields	-	144.4	143.5	147.7	147.7	-	74.2	74.0	76.5	76.6
138	Oil and gas field services	-	123.2	121.7	125.2	126.2	-	102.1	100.9	103.6	104.1
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	118.8	117.9	120.3	119.8	-	98.4	97.2	99.9	99.2
142	Crushed and broken stone	-	43.3	42.9	43.2	42.9	-	36.6	36.0	36.6	36.2
144	Sand and gravel	-	39.4	38.7	39.7	39.7	-	-	-	-	-
	CONTRACT CONSTRUCTION	3,502	3,480	3,414	3,599	3,565	2,940	2,918	2,854	3,034	2,998
	GENERAL BUILDING CONTRACTORS	-	992.0	984.8	1,060.1	1,058.8	-	825.5	817.4	891.4	889.4
16	HEAVY CONSTRUCTION CONTRACTORS	-	790.5	764.3	825.2	820.3	-	681.7	657.2	714.9	710.5
161	Highway and street construction	-	383.8	366.1	409.6	407.5	-	343.2	326.1	368.5	366.3
162	Heavy construction, n e c	-	406.7	398.2	415.6	412.8	-	338.5	331.1	346.4	344.2
17	SPECIAL TRADE CONTRACTORS	-	1,697.9	1,664.9	1,713.5	1,685.5	-	1,411.0	1,378.9	1,428.0	1,398.1
171	Plumbing, heating, air conditioning	-	404.6	400.4	414.7	405.1	-	322.4	318.1	333.8	324.3
172	Painting, paper hanging, decorating	-	127.6	121.4	142.2	141.0	-	111.6	104.7	126.0	124.6
173	Electrical work	-	298.4	292.1	305.7	302.8	-	238.5	232.6	245.3	242.5
174	Masonry, stonework, and plastering	-	219.5	218.1	217.6	216.0	-	198.7	197.5	196.6	194.7
176	Roofing and sheet metal work	-	116.3	113.2	121.1	117.9	-	95.2	92.7	100.9	97.2
	MANUFACTURING	18,717	18,440	18,746	19,419	19,306	13,602	13,320	13,611	14,083	13,946
19,24,25, 32-39	DURABLE GOODS	10,542	10,485	10,694	11,095	11,157	7,578	7,518	7,713	7,961	7,997
20-23, 26-31	NONDURABLE GOODS	8,175	7,955	8,052	8,324	8,149	6,024	5,802	5,898	6,122	5,949
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	193.9	189.3	192.7	232.3	236.0	95.7	92.6	94.6	124.6	126.3
192	Ammunition, except for small arms	(*)	131.3	133.4	163.0	165.4	(*)	58.0	59.2	82.7	83.6
1925	Complete guided missiles	-	89.1	90.3	94.8	96.2	-	25.8	26.6	29.2	29.4
1929	Ammunition, exc. for small arms, nec	-	42.2	43.1	68.2	69.2	-	32.2	32.6	53.5	54.2
24	LUMBER AND WOOD PRODUCTS	601.0	596.8	593.3	582.8	580.7	520.7	517.0	513.9	503.1	500.7
241	Logging camps & logging contractors	75.7	77.0	75.4	75.5	76.3	-	-	-	-	-
242	Sawmills and planing mills	217.5	216.4	214.9	216.7	216.6	197.4	196.8	196.2	197.6	197.1
2421	Sawmills and planing mills, general	-	184.6	182.6	185.0	184.9	-	168.1	167.0	169.1	168.6
243	Millwork, plywood & related products	191.0	187.0	186.4	171.7	169.0	161.0	157.2	156.4	142.7	140.0
2431	Millwork	-	81.0	79.9	75.3	73.1	-	66.1	65.0	60.8	58.6
2432	Veneer and plywood	-	76.3	76.7	70.8	70.1	-	68.6	68.9	63.3	62.7
244	Wooden containers	(*)	30.2	30.7	32.0	34.2	(*)	26.8	27.2	28.3	30.4
2441,2	Wooden boxes, shooks, and crates	-	24.7	25.3	26.2	28.2	-	22.0	22.5	23.3	25.2
249	Miscellaneous wood products	87.6	86.2	85.9	86.9	84.6	72.8	71.2	70.9	72.0	70.0

See footnotes at end of table.

B-2: Employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970	Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970
<i>Durable Goods--Continued</i>											
25	FURNITURE AND FIXTURES	465.4	452.5	459.3	457.0	446.0	383.8	371.1	377.9	376.6	365.8
251	Household furniture	(*)	322.9	328.0	318.2	307.7	(*)	272.5	277.7	269.2	258.9
2511	Wood household furniture	—	163.5	165.4	160.7	153.7	—	142.7	144.8	140.9	134.4
2512	Upholstered household furniture	—	88.3	90.8	87.2	84.1	—	73.5	75.8	72.5	69.2
2515	Mattresses and bedspings	—	37.3	37.2	37.2	36.5	—	28.6	28.6	28.9	28.4
252	Office furniture	—	33.3	33.4	36.5	36.5	—	25.2	25.2	28.3	28.3
254	Partitions and fixtures	—	49.2	49.8	52.0	52.0	—	37.5	38.1	40.6	40.4
253,9	Other furniture and fixtures	47.2	47.1	48.1	50.3	49.8	36.7	35.9	36.9	38.5	38.2
STONE, CLAY, AND GLASS PRODUCTS											
32	Flat glass	643.8	637.8	641.7	650.1	644.7	512.0	506.3	510.8	518.2	514.4
321	Glass and glassware, pressed or blown	—	24.6	24.2	23.7	23.1	—	17.9	17.8	17.0	16.8
322	Glass containers	132.6	129.7	129.6	134.9	133.1	113.9	111.2	111.2	117.4	116.1
3221	Pressed and blown glass, n e c	—	76.8	75.7	79.7	79.3	—	67.3	66.3	71.1	71.1
3229	Cement, hydraulic	—	52.9	53.9	55.2	53.8	—	43.9	44.9	46.3	45.0
324	Structural clay products	33.1	33.3	32.9	34.3	34.5	26.1	26.3	25.9	26.7	26.9
325	Brick and structural clay tile	58.1	58.3	59.7	59.5	59.6	48.3	48.3	49.5	48.5	48.8
3251	Pottery and related products	—	26.6	26.8	26.4	26.6	—	23.1	23.3	22.8	23.1
326	Concrete, gypsum, and plaster products	—	39.4	40.5	42.9	41.2	—	32.2	33.4	35.7	33.9
327	Other stone and nonmetallic mineral products	195.4	192.6	192.5	193.3	191.4	153.3	151.0	151.2	151.8	149.4
328,9	Abrasive products	131.2	130.3	132.3	132.2	133.9	96.9	96.2	98.3	98.5	100.6
3291	—	—	24.9	24.9	25.8	26.3	—	17.0	17.0	17.8	18.1
PRIMARY METAL INDUSTRIES											
33	Blast furnace and basic steel products	1,190.0	1,240.1	1,283.1	1,315.0	1,325.3	940.1	977.7	1,019.0	1,041.2	1,051.2
331	Blast furnaces and steel mills	(*)	613.6	631.5	640.3	643.3	(*)	489.8	507.3	510.9	513.4
3312	Iron and steel foundries	(*)	536.8	554.1	559.6	562.5	(*)	430.0	446.9	448.3	450.9
332	Gray iron foundries	—	213.7	216.9	218.5	225.3	—	176.5	179.4	180.2	186.5
3321	Malleable iron foundries	—	131.5	132.9	130.3	136.5	—	110.2	111.4	108.7	114.7
3322	Steel foundries	—	22.8	23.2	22.3	21.9	—	19.0	19.4	18.5	18.2
3323	Nonferrous metals	76.0	76.2	87.4	91.6	92.0	56.4	56.4	67.7	70.7	71.3
333,4	Primary aluminum	—	31.1	31.3	32.3	32.2	—	25.4	25.5	26.3	26.3
3334	Nonferrous rolling and drawing	196.9	198.1	205.0	212.5	211.7	142.7	144.3	150.4	157.4	157.4
3351	Copper rolling and drawing	—	40.2	42.8	43.5	43.2	—	29.9	32.1	32.0	31.9
3352	Aluminum rolling and drawing	—	62.6	63.8	68.8	69.0	—	44.3	45.2	49.9	50.4
3357	Nonferrous wire drawing and insulating	—	75.5	78.5	78.6	78.0	—	56.6	59.5	60.4	60.1
336	Nonferrous foundries	75.8	75.5	76.4	81.9	82.0	62.1	61.8	62.5	67.1	66.9
3361	Aluminum castings	—	38.7	39.4	42.3	42.6	—	32.3	32.8	35.3	35.4
3362,9	Other nonferrous castings	—	36.8	37.0	39.6	39.4	—	29.5	29.7	31.8	31.5
339	Miscellaneous primary metal products	63.7	63.0	65.9	70.2	71.0	50.0	48.9	51.7	54.9	55.7
3391	Iron and steel forgings	—	42.5	44.0	46.2	46.9	—	33.5	35.0	36.6	37.2
FABRICATED METAL PRODUCTS											
34	Metal cans	1,335.0	1,323.2	1,343.6	1,378.8	1,364.3	1,015.9	1,002.7	1,023.0	1,051.8	1,034.6
341	Cutlery, hand tools, and hardware	76.0	76.9	76.5	75.3	75.0	65.7	66.2	65.7	64.1	63.7
342	Cutlery and hand tools, incl. saws	148.6	145.7	149.0	148.4	143.9	115.0	113.3	116.6	114.0	108.8
3421,3,5	Hardware, n e c	—	60.3	60.7	61.2	61.7	—	46.7	47.1	46.8	46.8
3429	Plumbing and heating, except electric	—	85.4	88.3	87.2	82.2	—	66.6	69.5	67.2	62.0
343	Sanitary ware & plumbers' brass goods	(*)	80.7	81.0	79.4	80.3	(*)	59.8	60.4	57.7	58.6
3431,2	Heating equipment, except electric	—	39.1	38.4	35.6	37.1	—	30.9	30.6	27.5	28.9
3433	Fabricated structural metal products	—	41.6	42.6	43.8	43.2	—	28.9	29.8	30.2	29.7
344	Fabricated structural steel	425.7	422.2	421.7	431.8	428.0	306.4	302.2	301.8	312.5	307.6
3441	Metal doors, sash, and trim	—	107.7	108.2	111.5	110.4	—	78.8	79.0	82.3	80.8
3442	Fabricated plate work (boiler shops)	—	72.2	71.5	67.3	67.1	—	53.4	53.3	48.8	48.6
3443	Sheet metal work	—	113.3	114.5	119.3	117.5	—	78.4	79.2	85.1	82.4
3444	Architectural and misc. metal work	—	79.0	79.0	83.3	82.3	—	56.9	57.1	60.5	59.8
3446,9	Screw machine products, bolts, etc	—	50.0	48.5	50.4	50.7	—	34.7	33.2	35.8	36.0
345	Screw machine products, bolts, etc	89.2	89.7	92.5	102.0	102.7	67.5	68.1	71.1	78.6	79.6
3451	Bolts, nuts, rivets, and washers	—	39.5	40.4	45.3	45.6	—	32.3	33.1	37.1	37.9
3452	Metal stampings	—	50.2	52.1	56.7	57.1	—	35.8	38.0	41.5	41.7
346	Metal services, n e c	215.9	212.6	224.3	233.7	226.7	172.9	168.6	179.7	188.2	180.9
347	Misc. fabricated wire products	—	77.0	77.9	83.8	83.7	—	62.0	63.6	69.0	68.6
348	Misc. fabricated metal products	66.8	64.5	64.9	66.0	65.6	52.9	50.6	51.1	52.1	51.6
349	Valves, pipe, and pipe fittings	157.0	154.5	155.8	158.4	158.4	114.3	111.9	113.0	115.6	115.2
3494,8	—	—	94.0	94.4	95.9	95.1	—	65.1	65.4	67.2	66.4

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2: Employees on nonagricultural payrolls, by industry--Continued

		(In thousands)									
SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970	Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970
<i>Durable Goods--Continued</i>											
35	MACHINERY, EXCEPT ELECTRICAL	1,768.0	1,771.8	1,784.6	1,945.1	1,982.3	1,146.0	1,151.0	1,163.8	1,285.5	1,318.7
351	Engines and turbines	115.3	114.8	118.8	114.2	114.1	75.9	76.1	79.8	77.3	78.0
3511	Steam engines and turbines	-	42.9	45.4	43.5	42.4	-	24.4	26.4	26.1	25.8
3519	Internal combustion engines, n e c	-	71.9	73.4	70.7	71.7	-	51.7	53.4	51.2	52.2
352	Farm machinery	-	115.9	120.2	122.5	128.6	-	78.7	81.8	84.3	90.0
353	Construction and related machinery	276.5	276.7	277.0	292.0	296.0	178.0	179.2	179.7	191.5	195.7
3531,2	Construction and mining machinery	-	146.4	147.8	153.9	158.0	-	97.1	98.8	103.8	108.0
3533	Oil field machinery	-	45.4	45.1	46.5	46.2	-	30.8	30.5	31.7	31.5
3535,6	Conveyors, hoists, cranes, monorails	-	39.4	38.4	42.8	42.9	-	24.5	23.9	26.9	27.2
3537	Industrial trucks and tractors	-	29.0	29.2	32.7	32.5	-	17.9	17.7	20.7	20.5
354	Metal working machinery	250.0	251.0	253.7	303.5	312.5	177.7	179.4	181.8	220.7	228.6
3541	Machine tools, metal cutting types	-	49.6	50.0	65.3	67.3	-	31.2	31.5	42.4	44.0
3544	Special dies, tools, jigs, & fixtures	-	95.1	96.1	110.3	116.4	-	75.0	75.7	88.3	94.0
3545	Machine tool accessories	-	43.3	44.0	54.0	54.3	-	29.8	30.7	38.5	38.5
3542,8	Misc. metal working machinery	-	63.0	63.6	73.9	74.5	-	43.4	43.9	51.5	52.1
355	Special industry machinery	178.3	176.5	178.7	194.5	196.6	116.1	112.3	114.5	126.5	128.0
3551	Food products machinery	-	39.1	40.0	42.9	43.3	-	23.5	24.5	26.8	27.2
3552	Textile machinery	-	34.8	34.8	37.2	37.7	-	25.6	25.5	27.6	27.7
3555	Printing trades machinery	-	28.3	29.1	31.4	31.7	-	17.0	17.7	19.7	20.1
356	General industrial machinery	249.8	250.6	253.2	281.4	284.5	163.3	163.3	165.7	186.0	187.2
3561	Pumps and compressors	-	68.2	69.1	76.1	77.6	-	40.1	40.8	44.8	45.0
3562	Ball and roller bearings	-	49.1	49.5	59.4	60.8	-	36.8	37.2	45.6	46.3
3564	Blowers and fans	-	32.1	31.7	33.0	32.7	-	20.6	19.9	21.5	21.3
3566	Power transmission equipment	-	47.4	47.7	51.5	51.7	-	33.1	33.6	36.3	36.5
357	Office and computing machines	247.8	246.2	245.5	278.9	285.5	114.4	113.2	113.0	134.3	140.2
3573	Electronic computing equipment	-	171.5	170.5	188.3	193.7	-	63.1	62.5	69.9	74.6
358	Service industry machines	(*)	139.1	137.8	147.8	150.4	(*)	95.4	94.9	103.3	105.9
3585	Refrigeration machinery	-	91.7	91.2	99.2	102.1	-	63.1	62.9	69.8	72.4
359	Misc. machinery, except electrical	201.0	201.0	199.7	210.3	214.1	153.2	153.4	152.6	161.6	165.1
36	ELECTRICAL EQUIPMENT AND SUPPLIES	1,778.1	1,756.9	1,780.6	1,915.5	1,921.5	1,171.0	1,153.4	1,175.0	1,269.3	1,267.4
361	Electric test & distributing equipment	192.5	192.7	194.8	207.6	207.5	130.2	129.8	132.3	141.9	141.5
3611	Electric measuring instruments	-	62.2	62.7	67.0	67.7	-	38.0	38.5	41.3	42.0
3612	Transformers	-	52.0	53.3	58.3	58.0	-	37.1	38.8	42.8	42.1
3613	Switchgear and switchboard apparatus	-	78.5	78.8	82.3	81.8	-	54.7	55.0	57.8	57.4
362	Electrical industrial apparatus	195.9	195.9	197.2	222.0	223.0	132.1	132.3	133.6	153.3	154.8
3621	Motors and generators	-	105.0	105.7	121.0	122.1	-	72.1	73.0	85.2	86.5
3622	Industrial controls	-	52.6	52.7	58.5	59.1	-	33.4	33.3	37.6	38.2
363	Household appliances	(*)	181.0	183.6	187.5	186.5	(*)	142.0	145.1	149.5	149.1
3632	Household refrigerators and freezers	-	58.5	62.1	61.8	65.3	-	47.5	51.2	51.7	55.1
3633	Household laundry equipment	-	28.3	25.2	25.5	24.3	-	23.4	20.3	20.1	19.0
3634	Electric housewares and fans	-	44.6	44.8	49.0	46.8	-	33.7	34.4	38.7	36.7
364	Electric lighting and wiring equipment	(*)	178.6	182.0	193.9	191.1	(*)	136.1	139.1	148.4	145.6
3641	Electric lamps	-	34.3	35.2	37.7	37.9	-	30.3	31.0	33.4	33.5
3642	Lighting fixtures	-	59.4	61.0	64.1	61.0	-	44.9	46.5	49.2	46.3
3643,4	Wiring devices	-	84.9	85.8	92.1	92.2	-	60.9	61.6	65.8	65.8
365	Radio and TV receiving equipment	(*)	132.7	134.5	136.5	131.3	(*)	96.8	98.2	100.6	94.8
366	Communication equipment	435.3	434.6	440.3	492.8	500.2	217.0	216.5	220.0	247.6	251.0
3661	Telephone and telegraph apparatus	-	154.1	156.2	169.5	170.0	-	100.3	102.0	114.3	115.4
3662	Radio and TV communication equipment	-	280.5	284.1	323.3	330.2	-	116.2	118.0	133.3	135.6
367	Electronic components and accessories	332.1	327.9	332.1	356.5	364.4	217.2	214.1	218.4	237.6	241.3
3671-3	Electron tubes	-	54.4	55.2	59.0	58.4	-	38.0	38.8	39.9	39.2
3674,9	Other electronic components	-	273.5	276.9	297.5	306.0	-	176.1	179.6	197.7	202.1
369	Misc. electrical equipment & supplies	(*)	113.5	116.1	118.7	117.5	(*)	85.8	88.3	90.4	89.3
3694	Engine electrical equipment	-	58.3	59.5	60.9	60.5	-	45.2	46.1	46.9	46.6
37	TRANSPORTATION EQUIPMENT	1,705.5	1,684.9	1,770.7	1,729.6	1,783.6	1,201.8	1,181.2	1,258.4	1,181.0	1,225.7
371	Motor vehicles and equipment	(*)	818.4	894.2	766.2	796.5	(*)	621.8	696.8	574.8	603.4
3711	Motor vehicles	-	362.4	394.3	312.0	336.3	-	260.8	290.2	217.2	241.3
3712	Passenger car bodies	-	60.4	64.5	35.7	47.6	-	51.1	55.8	24.8	37.0
3713	Truck and bus bodies	-	34.5	38.6	39.1	39.0	-	26.6	30.7	31.4	31.4
3714	Motor vehicle parts and accessories	-	338.5	375.5	355.5	349.9	-	265.9	304.0	283.6	276.5
3715	Truck trailers	-	22.6	21.3	23.9	23.7	-	17.4	16.1	17.8	17.2
372	Aircraft and parts	516.0	521.6	530.4	642.3	660.9	275.2	279.1	282.7	349.8	360.2
3721	Aircraft	-	281.9	285.0	354.5	364.4	-	146.1	145.8	187.1	192.4
3722	Aircraft engines and engine parts	-	149.2	153.0	172.6	179.4	-	77.6	80.1	88.7	93.6
3723,9	Other aircraft parts and equipment	-	90.5	92.4	115.2	117.1	-	55.4	56.8	74.0	74.2
373	Ship and boat building and repairing	164.1	164.6	164.2	159.1	161.2	134.7	133.5	130.9	126.9	129.1
3731	Ship building and repairing	-	126.6	125.2	128.0	128.6	-	102.7	99.2	103.0	103.7

See footnotes at end of table.

B-2: Employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970	Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970
	<i>Durable Goods--Continued</i>										
	TRANSPORTATION EQUIPMENT--Continued										
3732	Boat building and repairing.....		38.0	39.0	31.1	32.6		30.8	31.7	23.9	25.4
374	Railroad equipment.....		49.7	52.1	51.3	53.7		38.4	40.3	39.0	41.6
375,9	Other transportation equipment.....		130.6	129.8	110.7	111.3		108.4	107.7	90.5	91.4
		433.8	430.4	430.9	455.9	457.1	259.8	255.4	256.5	273.3	274.1
38	INSTRUMENTS AND RELATED PRODUCTS										
381	Engineering & scientific instruments.....		62.9	61.4	69.8	70.6		30.1	28.7	33.6	34.3
382	Mechanical measuring & control devices.....	97.3	96.6	97.5	107.4	108.4	58.3	57.4	58.3	64.9	66.2
3821	Mechanical measuring devices.....		60.2	61.0	68.8	69.5		33.6	34.2	39.2	40.1
3822	Automatic temperature controls.....		36.4	36.5	38.6	38.9		23.8	24.1	25.7	26.1
383,5	Optical and ophthalmic goods.....	49.4	49.4	50.3	52.0	52.2	33.9	34.0	34.7	35.6	35.6
385	Ophthalmic goods.....		34.1	34.7	34.9	34.8		25.6	26.0	26.3	26.1
384	Medical instruments and supplies.....	(*)	85.8	87.0	83.6	84.0	(*)	56.1	57.3	55.3	55.6
386	Photographic equipment and supplies.....	108.0	107.6	106.6	111.5	112.3	55.2	55.1	54.7	58.4	58.7
387	Watches, clocks, and watchcases.....		28.1	28.1	31.6	29.6		22.7	22.8	25.5	23.7
	MISCELLANEOUS MANUFACTURING INDUSTRIES	427.1	400.9	413.3	433.3	415.0	331.4	309.2	320.4	336.3	318.3
39	Jewelry, silverware, and plated ware.....	(*)	45.6	48.8	49.4	47.6	(*)	33.8	36.5	36.5	34.6
394	Toys and sporting goods.....		115.3	119.8	124.3	117.4		93.4	97.2	101.1	94.6
3941-3	Games, toys, dolls, & play vehicles.....		64.0	67.7	76.4	69.2		51.8	54.7	63.2	56.2
3949	Sporting and athletic goods, n e c.....		51.3	52.1	47.9	48.2		41.6	42.5	37.9	38.4
395	Pens, pencils, office, and art supplies.....		30.8	31.5	33.6	33.8		21.6	22.2	24.2	24.1
396	Costume jewelry and notions.....		55.7	57.9	62.4	58.1		45.3	47.2	51.1	47.1
393,9	Other manufacturing industries.....	159.0	153.5	155.3	163.6	158.1	120.4	115.1	117.3	123.4	117.9
393	Musical instruments and parts.....		19.3	20.0	20.6	20.2		15.1	15.8	16.1	15.8
	<i>Nondurable Goods</i>										
20	FOOD AND KINDRED PRODUCTS	1,898.6	1,794.5	1,749.3	1,908.1	1,812.2	1,317.4	1,211.8	1,169.9	1,315.6	1,221.0
201	Meat products.....	358.1	356.1	349.4	353.8	352.3	296.4	293.7	287.5	289.7	288.2
2011	Meat packing plants.....		184.9	183.5	183.1	183.7		148.0	147.3	144.7	145.0
2013	Sausages and other prepared meats.....		62.3	61.9	61.1	60.7		45.8	45.3	44.4	43.9
2015	Poultry dressing plants.....		108.9	104.0	109.6	107.9		99.9	94.9	100.6	99.3
202	Dairy products.....	239.0	241.5	240.5	247.8	249.3	115.9	117.9	117.5	119.1	120.7
2024	Ice cream and frozen desserts.....		29.9	29.2	29.4	30.0		16.0	15.8	15.6	16.1
2026	Fluid milk.....		164.3	164.2	171.1	171.4		64.9	64.9	66.9	67.2
203	Canned, cured, and frozen foods.....		295.0	262.3	391.3	300.2		245.8	213.8	341.8	251.2
2031,6	Canned, cured, and frozen sea foods.....		41.3	39.9	44.0	46.8		35.7	34.4	38.7	41.0
2032,3	Canned food, except sea foods.....		160.0	128.8	233.5	154.7		131.8	100.6	204.8	127.0
2037	Frozen fruits and vegetables.....	(*)	57.1	61.0	72.2	61.9	(*)	49.5	53.8	64.4	54.2
204	Grain mill products.....		138.4	137.8	137.0	137.7		99.5	98.5	97.3	98.2
2041	Flour and other grain mill products.....		27.9	27.5	27.7	27.6		20.8	20.4	20.4	20.3
2042	Prepared feeds for animals and fowls.....		69.4	69.8	69.1	68.8		47.1	47.1	47.0	46.8
205	Bakery products.....	274.9	275.4	272.8	276.4	276.5	163.4	163.4	160.4	163.7	163.8
2051	Bread, cake, and related products.....		229.2	228.1	229.6	230.0		125.9	124.7	125.9	126.1
2052	Cookies and crackers.....		46.2	44.7	46.8	46.5		37.5	35.7	37.8	37.7
206	Sugar.....		28.8	26.7	28.7	28.2		21.5	19.5	21.1	20.7
207	Confectionery and related products.....	81.2	74.5	77.3	82.1	77.6	66.6	59.2	61.9	66.5	62.0
2071	Confectionery products.....		57.5	60.2	65.2	61.2		46.4	48.9	53.7	49.7
208	Beverages.....	242.7	244.5	240.6	244.4	243.6	120.8	122.0	119.2	122.5	122.2
2082	Malt liquors.....		58.5	57.9	59.9	59.8		39.9	39.2	39.8	39.8
2086	Bottled and canned soft drinks.....		139.9	137.6	138.5	138.6		52.4	51.1	52.4	52.8
209	Misc. foods and kindred products.....	139.4	140.3	141.9	146.6	146.8	88.0	88.8	91.6	93.9	94.0
21	TOBACCO MANUFACTURES	74.1	61.0	67.9	91.9	74.2	63.3	49.7	55.9	78.2	60.5
211	Cigarettes.....		35.8	40.6	44.0	44.0		29.1	33.0	35.7	35.3
212	Cigars.....		14.5	16.1	17.7	17.4		12.9	14.5	16.0	15.8
22	TEXTILE MILL PRODUCTS	963.3	948.6	968.2	975.6	961.3	846.0	831.5	850.4	855.5	842.0
221	Weaving mills, cotton.....	210.5	211.0	212.3	218.3	218.7	191.3	191.6	192.9	198.0	198.4
222	Weaving mills, synthetics.....	93.2	92.6	95.4	96.0	95.6	82.4	81.6	84.5	84.0	83.5
223	Weaving and finishing mills, wool.....	(*)	29.0	31.7	36.5	37.3	(*)	24.0	26.5	30.9	31.7
224	Narrow fabric mills.....	30.0	29.1	30.1	29.2	28.7	26.5	25.6	26.6	25.7	25.1
225	Knitting mills.....	252.3	244.7	249.7	251.2	244.5	222.3	214.7	219.7	221.1	214.9
2251	Women's hosiery, except socks.....		57.0	58.0	70.7	69.6		51.4	52.3	63.6	62.7
2252	Hosiery, n e c.....		35.4	35.9	36.8	36.6		31.6	32.1	33.0	32.7
2253	Knit outerwear mills.....		73.0	75.2	69.8	65.8		63.0	65.1	60.6	56.8
2254	Knit underwear mills.....		30.5	31.2	29.6	29.2		26.8	27.5	25.9	25.7

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2: Employees on nonagricultural payrolls, by industry--Continued

(In thousands)											
SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970	Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970
Nondurable Goods--Continued											
TEXTILE MILL PRODUCTS--Continued											
226	Textile finishing, except wool	85.6	84.5	85.6	83.8	82.3	72.4	71.5	72.3	71.0	69.6
227	Floor covering mills	-	52.5	55.0	56.8	54.5	-	41.1	43.4	44.8	42.7
228	Yarn and thread mills	135.8	133.6	135.5	129.8	127.0	124.9	122.6	124.5	119.7	117.0
229	Miscellaneous textile goods	73.2	71.6	72.9	74.0	72.7	60.3	58.8	60.0	60.3	59.1
23	APPAREL AND OTHER TEXTILE PRODUCTS...	1,353.1	1,296.3	1,372.3	1,378.2	1,334.0	1,181.6	1,127.6	1,201.5	1,208.8	1,166.3
231	Men's and boys' suits and coats	(*)	102.6	109.6	118.4	114.9	(*)	89.5	95.9	103.4	99.7
232	Men's and boys' furnishings	387.9	380.4	390.2	384.5	376.0	342.0	334.7	344.5	340.7	332.7
2321	Men's and boys' shirts and nightwear	-	119.1	121.4	123.3	123.1	-	105.8	108.2	110.4	110.5
2327	Men's and boys' separate trousers	-	83.0	85.5	84.0	81.8	-	74.5	76.7	76.1	73.9
2328	Men's and boys' work clothing	-	82.2	85.0	84.4	81.2	-	71.0	73.8	72.5	69.6
233	Women's and misses' outerwear	414.5	389.1	428.6	428.1	410.6	364.4	340.4	378.2	379.7	363.0
2331	Women's and misses' blouses and waists	-	34.7	47.4	47.7	45.7	-	30.0	42.4	42.6	40.7
2335	Women's and misses' dresses	-	186.8	208.1	204.9	193.6	-	167.1	187.4	184.7	173.7
2337	Women's and misses' suits and coats	-	82.4	77.3	84.1	81.7	-	71.4	66.3	74.3	71.9
2339	Women's and misses' outerwear, n e c	-	85.2	95.8	91.4	89.6	-	71.9	82.1	78.1	76.7
234	Women's and children's undergarments	(*)	107.7	112.4	115.4	111.5	(*)	92.3	97.5	100.4	96.6
2341	Women's and children's underwear	-	76.3	79.7	82.1	78.8	-	66.6	70.1	72.8	69.5
2342	Corsets and allied garments	-	31.4	32.7	33.3	32.7	-	25.7	27.4	27.6	27.1
235	Hats, caps, and millinery	-	15.8	16.0	19.2	17.6	-	14.0	14.2	17.2	15.9
236	Children's outerwear	75.3	75.6	80.1	73.1	75.1	67.3	67.4	71.7	64.9	66.8
2361	Children's dresses and blouses	-	31.7	34.5	31.3	33.9	-	28.6	31.2	28.1	30.6
237,8	Fur goods and miscellaneous apparel	-	70.9	73.1	76.4	73.9	-	59.5	62.3	65.7	63.0
239	Misc. fabricated textile products	161.7	154.2	162.3	163.1	154.4	136.4	129.8	137.2	136.8	128.6
2391,2	Housefurnishings	-	63.0	64.3	65.6	62.6	-	53.9	54.8	56.3	53.7
26	PAPER AND ALLIED PRODUCTS	687.4	678.6	690.2	708.3	706.0	525.3	516.0	528.3	544.7	542.3
261,2,6	Paper and pulp mills	(*)	208.5	212.6	220.8	222.1	(*)	159.9	163.8	169.8	171.0
263	Paperboard mills	70.2	69.3	69.7	73.3	72.6	54.6	53.8	54.2	59.1	58.3
264	Misc. converted paper products	188.2	185.9	188.8	189.3	187.2	135.3	133.5	136.7	137.4	135.3
2643	Bags, except textile bags	-	40.2	42.0	42.9	41.8	-	31.4	33.1	34.1	33.2
265	Paperboard containers and boxes	216.8	214.9	219.1	224.9	224.1	171.9	168.8	173.6	178.4	177.7
2651,2	Folding and setup paperboard boxes	-	61.9	64.5	67.9	66.4	-	50.3	52.8	55.9	54.5
2653	Corrugated and solid fiber boxes	-	103.7	104.7	106.1	106.2	-	78.6	80.0	81.1	81.0
2654	Sanitary food containers	-	30.9	31.1	31.8	32.4	-	24.9	25.3	25.7	26.4
27	PRINTING AND PUBLISHING	1,085.9	1,082.7	1,088.6	1,104.8	1,105.0	664.3	659.2	665.5	675.9	676.2
271	Newspapers	368.6	370.7	370.3	372.3	372.4	178.6	179.3	180.1	179.6	180.0
272	Periodicals	-	71.3	70.7	76.7	76.5	-	22.3	20.8	25.0	24.8
273	Books	-	102.0	102.8	102.0	102.1	-	56.0	56.9	54.8	54.9
275	Commercial printing	348.8	345.3	349.2	354.1	353.2	268.4	264.8	267.8	273.3	272.1
2751	Commercial printing, ex. lithographic	-	207.1	209.1	213.8	213.7	-	161.6	162.7	166.8	162.2
2752	Commercial printing, lithographic	-	126.8	128.4	129.4	128.7	-	94.7	96.4	98.4	97.9
278	Blankbooks and bookbinding	56.7	55.6	55.9	56.9	57.3	46.9	45.7	46.3	46.5	47.1
274,6,7,9	Other publishing & printing ind.	138.7	137.8	139.7	142.8	143.5	92.3	91.1	93.6	96.7	97.3
28	CHEMICALS AND ALLIED PRODUCTS...	1,014.4	1,017.8	1,022.9	1,059.2	1,060.3	582.1	583.7	589.2	604.5	604.1
281	Industrial chemicals	309.3	312.0	314.3	327.9	326.4	167.3	169.2	171.4	177.0	175.1
2812	Alkalies and chlorine	-	20.7	21.3	22.2	22.3	-	13.9	14.4	14.9	15.0
2818	Industrial organic chemicals, n e c	-	126.3	126.6	135.7	136.2	-	55.7	56.2	59.8	59.7
2819	Industrial inorganic chemicals, n e c	-	99.1	99.6	101.7	99.9	-	57.3	57.4	58.7	57.0
282	Plastics materials and synthetics	210.9	210.3	209.6	215.7	218.3	142.2	141.2	140.7	140.1	141.6
2821	Plastics materials and resins	-	86.3	86.6	90.9	92.0	-	52.8	53.2	55.4	55.9
2823,4	Synthetic fibers	-	110.4	109.4	110.7	112.3	-	79.0	78.1	75.1	76.2
283	Drugs	150.7	150.7	151.0	149.2	149.0	73.8	73.8	74.0	71.6	71.5
2834	Pharmaceutical preparations	-	118.7	119.0	117.0	116.9	-	57.3	57.6	55.0	54.9
284	Soap, cleaners, and toilet goods	125.5	124.3	124.3	130.9	129.4	70.7	69.2	70.4	75.2	74.1
2841	Soap and other detergents	-	41.8	42.2	43.4	43.4	-	26.7	27.4	28.0	28.2
2844	Toilet preparations	-	50.1	49.8	54.5	53.1	-	26.3	26.8	31.4	30.0
285	Paints and allied products	68.9	69.0	69.4	72.0	72.4	38.4	38.6	38.8	40.7	40.9
287	Agricultural chemicals	(*)	52.8	55.4	52.4	53.7	(*)	31.2	33.4	30.3	31.4
2871,2	Fertilizers, complete & mixing only	-	35.8	38.2	35.3	36.0	-	23.1	25.1	22.0	22.7
286,9	Other chemical products	98.8	98.7	98.9	111.1	111.1	61.0	60.5	60.5	69.6	69.5
2892	Explosives	-	24.9	25.2	34.6	35.4	-	17.0	17.1	24.3	25.2
29	PETROLEUM AND COAL PRODUCTS	192.8	193.6	192.6	195.0	195.7	119.1	119.9	118.9	119.6	120.5
291	Petroleum refining	154.5	155.7	154.7	156.4	156.8	91.5	92.7	91.6	91.7	92.3
295,9	Other petroleum and coal products	38.3	37.9	37.9	38.6	38.9	27.6	27.2	27.3	27.9	28.2

See footnotes at end of table.

B-2: Employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	(In thousands)					Production workers ¹				
		All employees									
		Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970	Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970
	<i>Nondurable Goods--Continued</i>										
30	RUBBER AND PLASTICS PRODUCTS, N.E.C.	589.5	579.7	585.0	579.7	579.1	453.2	445.1	449.8	442.9	442.0
301	Tires and inner tubes.....	129.4	127.8	126.6	117.6	120.4	92.1	90.7	89.3	79.8	82.6
302,3,6	Other rubber products.....	(*)	170.1	171.3	170.7	171.0	(*)	132.5	134.1	132.7	132.7
302	Rubber footwear.....	-	25.8	26.6	23.9	23.9	-	22.1	22.9	20.7	20.4
307	Miscellaneous plastics products.....	294.9	281.8	287.1	291.4	287.7	233.3	221.9	226.4	230.4	226.7
31	LEATHER AND LEATHER PRODUCTS...	315.9	301.9	314.9	323.1	321.5	271.5	257.7	268.6	276.1	274.3
311	Leather tanning and finishing.....	(*)	25.6	26.3	25.6	26.0	(*)	22.2	22.7	22.0	22.2
314	Footwear, except rubber.....	(*)	201.5	211.2	216.7	216.3	(*)	175.1	183.1	188.5	188.2
312,3,5-7,9	Other leather products.....	77.4	74.8	77.4	80.8	79.2	63.4	60.4	62.8	65.6	63.9
316	Luggage.....	-	15.7	16.5	17.5	17.3	-	12.0	12.6	13.2	13.0
317	Handbags and personal leather goods.....	-	34.1	34.5	34.8	33.5	-	28.6	29.1	29.6	28.3
	TRANSPORTATION AND PUBLIC UTILITIES.....	4,511	4,535	4,549	4,582	4,601	3,909	3,928	3,944	3,982	4,000
	RAILROAD TRANSPORTATION.....	-	616.2	615.9	636.7	645.9	-	-	-	-	-
11	Class I railroads ²	-	554.8	553.6	568.8	576.3	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT.....	-	245.1	269.3	260.9	262.9	-	-	-	-	-
41	Local and suburban transportation.....	-	68.7	69.6	75.3	75.4	-	64.4	65.4	70.9	71.0
412	Taxicabs.....	-	103.2	105.6	110.1	110.4	-	-	-	-	-
413	Intercity highway transportation.....	-	44.9	44.4	45.2	45.1	-	41.1	40.8	41.7	41.6
42	TRUCKING AND WAREHOUSING.....	-	1,133.3	1,128.7	1,126.8	1,132.0	-	1,022.7	1,017.7	1,019.8	1,024.7
421,3	Trucking and trucking terminals.....	-	1,048.2	1,042.7	1,041.8	1,047.1	-	949.4	943.9	946.9	951.9
422	Public warehousing.....	-	85.1	86.0	85.0	84.9	-	73.3	73.8	72.9	72.8
45	TRANSPORTATION BY AIR.....	-	336.2	334.7	347.4	346.1	-	-	-	-	-
451,2	Air transportation.....	-	309.1	307.9	317.7	315.8	-	-	-	-	-
46	PIPE LINE TRANSPORTATION.....	-	18.7	18.6	18.6	18.6	-	14.8	14.6	14.9	14.9
44,47	OTHER TRANSPORTATION AND SERVICES	-	306.3	325.4	321.2	328.0	-	-	-	-	-
44	Water transportation.....	-	196.2	216.2	215.9	218.2	-	-	-	-	-
47	Transportation services.....	-	110.1	109.2	105.3	109.8	-	-	-	-	-
48	COMMUNICATION.....	-	1,146.3	1,135.9	1,151.6	1,150.4	-	901.9	891.3	905.3	905.0
481	Telephone communication.....	-	982.0	972.9	969.5	969.4	-	778.9	769.3	772.0	772.1
482	Telegraph communication ³	-	(*)	(*)	30.6	30.8	-	(*)	(*)	21.0	21.0
483	Radio and television broadcasting.....	-	132.9	132.0	132.8	131.8	-	108.4	107.6	105.5	105.0
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	732.7	720.9	718.8	717.2	-	628.6	618.4	620.6	619.0
491	Electric companies and systems.....	-	303.6	297.2	299.3	297.0	-	259.2	253.6	256.2	253.9
492	Gas companies and systems.....	-	173.7	171.2	169.9	169.8	-	147.7	145.6	145.5	145.4
493	Combination companies and systems.....	-	195.5	193.8	194.0	194.9	-	169.0	167.5	169.9	170.8
494-7	Water, steam, & sanitary systems.....	-	59.9	58.7	55.6	55.5	-	52.7	51.7	49.0	48.9
-	WHOLESALE AND RETAIL TRADE.....	15,112	15,124	15,192	14,838	14,891	13,407	13,417	13,486	13,185	13,244
50	WHOLESALE TRADE.....	3,887	3,877	3,860	3,858	3,871	3,248	3,240	3,223	3,243	3,257
501	Motor vehicles & automotive equipment.....	-	341.4	339.2	328.6	326.0	-	276.2	274.3	268.4	266.8
502	Drugs, chemicals, and allied products.....	-	237.1	238.3	236.6	236.2	-	190.4	191.5	190.9	191.5
503	Dry goods and apparel.....	-	151.8	152.9	152.7	152.3	-	119.7	120.9	120.6	120.0
504	Groceries and related products.....	-	564.0	558.2	550.3	564.2	-	494.3	488.0	482.0	494.5
506	Electrical goods.....	-	349.0	344.3	327.4	327.4	-	294.6	290.6	277.5	277.1
507	Hardware; plumbing & heating equipment.....	-	174.1	172.6	172.2	172.4	-	147.7	145.9	146.0	146.1
508	Machinery, equipment, and supplies.....	-	721.7	720.9	746.3	751.5	-	608.5	607.2	635.8	640.5
509	Miscellaneous wholesalers.....	-	1,253.7	1,247.1	1,245.2	1,251.1	-	1,040.3	1,033.6	1,040.1	1,046.6
52-59	RETAIL TRADE.....	11,225	11,247	11,332	10,980	11,020	10,159	10,177	10,263	9,942	9,982
53	RETAIL GENERAL MERCHANDISE.....	-	2,279.0	2,294.3	2,184.4	2,189.6	-	2,084.7	2,100.1	1,999.4	2,005.2
531	Department stores.....	-	1,498.8	1,507.1	1,419.6	1,435.3	-	1,373.7	1,381.7	1,300.9	1,317.8
532	Mail order houses.....	-	115.2	115.3	124.8	121.2	-	106.7	107.1	115.4	111.7
533	Variety stores.....	-	306.6	313.6	298.8	293.5	-	282.0	288.8	275.8	270.3
54	FOOD STORES.....	-	1,746.1	1,760.8	1,704.1	1,722.2	-	1,622.9	1,636.5	1,583.5	1,601.6
541-3	Grocery, meat, and vegetable stores.....	-	1,581.8	1,592.0	1,540.6	1,557.0	-	1,469.4	1,479.2	1,431.2	1,447.5

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2: Employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	(In thousands)					Production workers ¹				
		All employees									
		Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970	Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970
WHOLESALE AND RETAIL TRADE (Continued)											
56	APPAREL AND ACCESSORY STORES.		704.4	722.8	689.1	692.0	626.2	643.0	615.4	618.7	
561	Men's & boys' clothing & furnishings.		124.5	126.3	122.3	126.0	110.8	112.9	108.8	112.3	
562	Women's ready-to-wear stores		265.3	271.7	258.1	257.1	237.6	242.8	231.1	230.0	
565	Family clothing stores.		101.6	103.8	100.4	101.6	93.9	95.9	92.6	94.2	
566	Shoe stores		144.0	147.8	138.7	137.8	122.7	126.5	121.6	120.9	
57	FURNITURE AND HOME FURNISHINGS STORES		457.8	458.1	452.8	451.1	396.3	397.1	393.8	392.8	
571	Furniture and home furnishings.		291.3	291.9	287.1	284.9	250.2	251.4	248.7	246.7	
58	EATING AND DRINKING PLACES.		2,602.8	2,628.5	2,549.6	2,553.8	2,435.6	2,465.5	2,387.5	2,391.8	
52,55,59	OTHER RETAIL TRADE		3,457.0	3,467.7	3,399.8	3,411.5	3,011.4	3,020.4	2,962.6	2,976.8	
52	Building materials and farm equipment		563.4	560.1	555.5	556.4	486.8	482.8	478.4	478.7	
55	Automotive dealers & service stations	-	1,651.1	1,646.8	1,624.1	1,634.4	-	-	-	-	
551,2	Motor vehicle dealers.	-	756.5	755.0	761.9	764.0	-	636.4	635.3	643.9	
553,9	Other automotive & accessory dealers.	-	254.7	253.3	237.7	238.5	-	218.8	217.8	205.0	
554	Gasoline service stations.	-	639.9	638.5	624.5	631.9	-	-	-	-	
59	Miscellaneous retail stores.	-	1,242.5	1,260.8	1,220.2	1,220.7	-	-	-	-	
591	Drug stores and proprietary stores.	-	447.4	454.2	447.7	448.7	-	401.1	406.2	398.0	
594	Book and stationery stores.	-	60.2	61.5	61.3	61.5	-	51.4	52.5	52.6	
596	Farm and garden supply stores	-	105.7	107.8	104.3	106.2	-	-	-	-	
598	Fuel and ice dealers	-	104.7	105.8	103.4	103.7	-	89.9	91.1	89.5	
FINANCE, INSURANCE, AND REAL ESTATE⁴											
		3,864	3,866	3,837	3,742	3,749	3,050	3,051	3,027	2,969	2,978
60	Banking	-	1,093.4	1,083.4	1,066.5	1,066.7	895.6	885.9	880.3	881.3	
61	Credit agencies other than banks	-	381.9	378.3	365.6	368.0	297.5	294.5	286.0	288.2	
612	Savings and loan associations.	-	120.3	118.3	108.4	109.1	96.5	94.6	86.8	87.4	
614	Personal credit institutions.	-	192.1	191.3	190.4	191.7	-	-	-	-	
62	Security, commodity brokers & services.	-	213.3	210.3	200.8	202.9	181.6	178.9	170.6	173.6	
63	Insurance carriers.	-	1,078.3	1,072.1	1,060.4	1,059.0	749.4	745.1	748.8	746.2	
631	Life insurance	-	561.4	559.1	549.9	548.2	332.5	331.0	330.5	327.1	
632	Accident and health insurance.	-	97.7	97.0	95.1	95.3	-	84.2	83.8	82.4	
633	Fire, marine, and casualty insurance	-	369.9	367.5	369.8	369.8	291.7	290.2	298.2	298.8	
64	Insurance agents, brokers, and service	-	283.3	282.7	277.9	278.3	-	-	-	-	
65	Real estate	-	727.4	722.6	684.5	687.8	-	-	-	-	
655	Subdividers and developers.	-	114.7	115.4	101.9	103.4	-	-	-	-	
656	Operative builders.	-	53.2	50.6	44.5	45.6	-	-	-	-	
66,67	Other finance, insurance, & real estate	-	87.9	87.1	86.3	86.5	-	-	-	-	
SERVICES											
		11,943	12,022	12,050	11,679	11,740	10,808	10,882	10,918	10,591	10,655
70	Hotels and other lodging places.	-	844.5	810.7	844.2	852.9	-	-	-	-	
701	Hotels, tourist courts, and motels	-	724.5	705.8	720.9	728.6	-	673.7	656.7	669.0	
72	Personal services.	-	934.9	958.4	976.5	990.9	-	-	-	-	
721	Laundries and dry cleaning plants	-	478.5	483.8	505.1	512.2	-	434.1	438.7	458.5	
722	Photographic studios.	-	36.7	36.2	38.2	37.0	-	32.0	31.4	32.6	
73	Miscellaneous business services	-	1,633.1	1,637.2	1,620.7	1,609.5	-	-	-	-	
731	Advertising	-	118.8	118.4	123.2	124.2	-	-	-	-	
732	Credit reporting and collection	-	79.8	78.9	77.5	78.3	-	-	-	-	
734	Services to buildings.	-	301.7	303.8	296.5	297.3	-	-	-	-	
76	Miscellaneous repair services	-	179.8	181.4	180.2	181.2	-	-	-	-	
78	Motion pictures.	-	206.2	200.3	216.3	216.0	-	-	-	-	
781	Motion picture filming & distributing	-	48.7	47.4	60.2	60.4	-	31.6	30.5	39.9	
782,3	Motion picture theaters and services.	-	157.5	152.9	156.1	155.6	-	-	-	-	
80	Medical and other health services.	-	3,272.8	3,254.0	3,086.6	3,085.8	-	-	-	-	
806	Hospitals	-	1,976.0	1,965.0	1,887.1	1,890.0	-	1,806.2	1,798.6	1,739.3	
81	Legal services.	-	257.6	253.3	246.3	246.3	-	-	-	-	
82	Educational services	-	1,008.7	1,109.4	971.0	994.6	-	-	-	-	
821	Elementary and secondary schools	-	347.5	399.4	327.1	333.8	-	-	-	-	
822	Colleges and universities.	-	542.9	588.6	543.3	560.6	-	-	-	-	
89	Miscellaneous services	-	679.9	673.9	677.9	679.4	-	-	-	-	
891	Engineering & architectural services	-	314.4	312.0	306.5	308.2	-	-	-	-	
892	Nonprofit research agencies	-	110.4	110.1	106.2	105.9	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**
B-2: Employees on nonagricultural payrolls, by industry--Continued

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970	Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970
	GOVERNMENT	12,308	12,397	12,933	11,957	12,055					
91	FEDERAL GOVERNMENT ²	2,678	2,688	2,674	2,675	2,700					
	Executive	-	2,647.6	2,634.5	2,637.4	2,662.9	-	-	-	-	-
	Department of Defense	-	1,001.4	999.7	1,021.9	1,034.5	-	-	-	-	-
	Postal Service	-	709.8	714.1	723.5	726.8	-	-	-	-	-
	Other agencies	-	936.4	920.7	892.0	901.6	-	-	-	-	-
	Legislative	-	32.3	32.2	30.7	30.6	-	-	-	-	-
	Judicial	-	7.8	7.7	6.8	6.9	-	-	-	-	-
92,93	STATE AND LOCAL GOVERNMENT ...	9,630	9,709	10,259	9,282	9,355					
92	State government	-	2,647.3	2,759.4	2,558.4	2,575.0	-	-	-	-	-
	State education	-	1,000.1	1,128.6	936.5	955.1	-	-	-	-	-
	Other State government	-	1,647.2	1,630.8	1,621.9	1,619.9	-	-	-	-	-
93	Local government	-	7,061.7	7,499.9	6,723.7	6,780.3	-	-	-	-	-
	Local education	-	3,614.0	4,173.3	3,405.6	3,450.2	-	-	-	-	-
	Other local government	-	3,447.7	3,326.6	3,318.1	3,330.1	-	-	-	-	-

¹Data relate to production workers in mining and manufacturing; to construction workers in contract construction; and to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services. These groups account for approximately four-fifths of the total employment on private nonagricultural payrolls.

²Beginning January 1965, data relate to railroads with operating revenues of \$5,000,000 or more.

³Data for nonsupervisory workers exclude messengers.

⁴Data for nonoffice salesmen excluded from nonsupervisory count for all series in this division.

⁵Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

*Not available.

p : preliminary.

ESTABLISHMENT DATA

SEASONALLY ADJUSTED EMPLOYMENT

B-4: Indexes of employment on nonagricultural payrolls, by industry division, 1919 to date, monthly data seasonally adjusted

1967 = 100

Year and month	Total	Goods-producing				Service-producing									
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
								Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919	41.1	55.1	184.8	31.8	54.8	33.5	87.1	33.2	-	-	34.4	22.4	23.5	-	-
1920	41.5	54.8	202.1	26.4	54.8	34.3	93.8	32.8	-	-	36.4	23.4	22.8	-	-
1921	37.0	44.0	156.9	31.5	42.5	33.2	81.2	33.7	-	-	36.1	23.9	22.2	-	-
1922	39.2	48.3	151.5	36.9	46.9	34.3	82.3	36.0	-	-	35.5	24.8	22.3	-	-
1923	43.1	54.8	197.7	38.3	53.0	36.8	91.1	38.9	-	-	36.9	26.6	22.9	-	-
1924	42.6	52.0	179.6	41.2	49.7	37.4	89.3	39.7	-	-	38.2	27.5	23.9	-	-
1925	43.7	53.6	177.7	45.1	51.1	38.3	89.8	41.0	-	-	38.2	28.4	24.6	-	-
1926	45.3	55.4	193.3	48.5	52.2	39.7	92.5	42.5	-	-	40.5	30.2	25.0	-	-
1927	45.5	54.7	181.7	50.1	51.4	40.5	91.4	43.4	-	-	42.4	31.4	25.6	-	-
1928	45.6	54.2	171.3	50.1	51.1	40.8	89.8	43.2	-	-	44.5	32.3	26.3	-	-
1929	47.6	57.1	177.3	46.7	55.0	42.4	91.9	45.0	-	-	46.8	34.1	26.9	19.6	29.2
1930	44.7	51.3	164.6	42.8	49.2	41.0	86.5	42.6	-	-	45.7	33.4	27.6	19.3	30.2
1931	40.5	44.1	142.4	37.8	42.0	38.5	76.4	38.8	-	-	43.6	31.5	28.6	20.6	31.2
1932	35.9	37.1	119.2	30.2	35.6	35.2	66.1	34.4	-	-	41.6	29.0	28.3	20.6	30.7
1933	36.0	38.5	121.4	25.2	38.0	34.7	62.7	34.9	-	-	40.2	28.4	27.8	20.8	30.0
1934	39.4	44.0	144.0	26.9	43.7	36.9	64.5	38.8	-	-	40.9	30.3	28.9	24.0	30.5
1935	41.1	46.8	146.3	28.4	46.6	38.0	65.4	39.9	-	-	41.4	31.1	30.5	27.7	31.4
1936	44.2	51.2	154.3	35.7	50.5	40.3	69.8	42.7	-	-	43.0	32.9	32.2	30.4	32.7
1937	47.1	55.5	165.6	34.7	55.5	42.5	73.6	46.0	-	-	44.4	34.8	33.0	30.6	33.7
1938	44.4	48.9	145.4	32.9	48.5	41.8	67.2	45.4	-	-	44.2	34.4	34.1	30.5	35.2
1939	46.5	52.8	139.3	35.8	52.9	43.1	68.9	47.2	47.8	47.0	45.3	34.8	35.1	33.3	35.6
1940	49.2	56.7	150.9	40.3	56.5	45.0	71.3	49.6	49.8	49.6	46.6	36.4	36.9	36.6	36.9
1941	55.5	68.5	156.1	55.8	67.8	48.4	76.8	53.0	53.1	53.0	48.0	38.8	40.9	49.3	38.3
1942	60.9	79.3	161.8	67.6	78.6	50.9	81.2	52.3	51.7	52.5	47.7	40.4	48.1	81.4	37.7
1943	64.5	86.4	150.9	48.8	90.5	52.5	85.6	51.3	49.4	52.0	46.6	41.1	53.3	106.8	36.6
1944	63.6	83.0	145.5	34.1	89.1	53.0	89.9	51.9	50.0	52.5	45.8	41.2	53.0	107.7	35.9
1945	61.3	75.2	136.4	35.3	79.8	53.8	91.7	53.8	52.8	54.1	46.4	42.0	52.1	103.3	36.1
1946	63.3	74.0	140.6	51.8	75.6	57.4	95.3	61.6	62.1	61.4	52.6	46.7	49.1	82.9	38.5
1947	66.6	79.4	155.8	61.8	79.9	59.6	97.8	65.8	67.0	65.4	54.4	50.0	48.0	69.6	41.3
1948	68.2	80.6	162.2	67.6	80.1	61.4	98.3	68.1	70.6	67.3	56.7	51.5	49.6	68.5	43.6
1949	66.5	75.4	151.7	67.5	74.3	61.6	93.9	68.1	70.6	67.2	57.6	52.1	51.4	70.2	45.5
1950	68.7	79.4	147.0	72.7	78.4	62.8	94.7	69.0	71.4	68.1	59.5	53.3	52.9	70.9	47.2
1951	72.7	85.6	151.5	81.1	84.3	65.6	99.2	71.6	73.9	70.8	61.7	55.2	56.1	84.7	47.1
1952	74.1	86.7	146.5	82.1	85.5	67.3	99.7	73.5	76.2	72.6	64.2	56.7	58.0	89.0	48.3
1953	76.3	90.4	141.3	81.8	90.2	68.6	100.7	75.3	77.4	74.6	66.5	58.1	58.3	84.8	50.0
1954	74.4	84.7	129.0	81.4	83.9	68.8	95.8	75.2	77.7	74.4	69.3	59.4	59.2	80.5	52.6
1955	76.9	88.0	129.2	87.3	86.8	70.9	97.2	77.4	79.3	76.8	72.4	62.1	60.7	80.4	54.5
1956	79.6	90.5	134.1	93.5	88.7	73.6	99.6	79.8	81.8	79.1	75.3	64.7	63.8	81.2	58.4
1957	80.3	89.9	135.1	91.1	88.3	75.1	99.5	80.0	82.1	79.3	76.8	66.8	66.8	81.5	62.2
1958	78.0	83.7	122.5	86.6	82.0	74.9	93.3	79.0	80.8	78.4	78.1	67.4	68.8	80.6	65.1
1959	81.0	87.5	119.4	92.3	85.7	77.4	94.1	81.8	83.6	81.2	80.4	70.6	70.9	82.1	67.4
1960	82.4	87.6	116.2	89.9	86.4	79.5	94.0	83.7	85.2	83.2	82.8	73.5	73.3	83.5	70.1
1961	82.1	85.2	109.6	87.8	84.0	80.4	91.6	83.3	84.9	82.8	84.7	75.9	75.4	83.8	72.8
1962	84.4	87.7	106.0	90.5	86.7	82.6	91.7	85.0	86.7	84.4	86.8	79.5	78.0	86.1	75.5
1963	86.1	88.5	103.6	92.4	87.4	84.8	91.6	86.6	88.1	86.1	89.2	82.4	80.9	86.7	79.1
1964	88.6	90.1	103.4	95.1	88.8	87.8	92.7	89.4	90.5	89.0	91.7	86.2	84.2	86.4	83.5
1965	92.3	94.0	103.1	99.3	92.9	91.4	94.7	93.5	94.0	93.3	93.7	90.0	88.4	87.5	88.7
1966	97.1	99.3	102.3	102.1	98.8	95.9	97.4	97.3	97.5	97.3	96.1	94.6	94.7	94.3	94.8
1967	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968	103.1	101.7	98.9	102.4	101.7	103.9	101.1	103.5	102.4	103.9	104.9	105.2	103.9	100.7	105.0
1969	106.7	104.1	101.0	107.1	103.7	108.2	103.9	107.6	105.9	108.2	110.5	111.2	107.1	101.4	108.8
1970	107.2	100.3	101.5	104.3	99.6	111.0	105.7	109.7	108.5	110.1	114.4	115.2	110.0	99.5	113.3
1970:															
Aug ..	107.0	99.6	101.1	102.9	99.0	111.0	106.1	109.6	108.3	110.0	114.2	115.2	109.8	96.9	113.9
Sept ..	107.0	99.4	101.1	102.1	98.9	111.2	106.0	109.7	108.5	110.2	114.7	115.5	110.0	97.7	113.8
Oct ..	106.4	97.0	101.3	102.4	96.0	111.5	106.0	109.8	108.7	110.2	114.9	116.1	110.7	97.8	114.7
Nov ..	106.3	96.4	101.8	102.7	95.2	111.6	105.7	109.5	108.6	109.9	115.4	116.3	111.2	98.0	115.3
Dec ..	106.8	97.6	101.6	102.9	96.7	111.7	104.4	109.9	108.7	110.3	115.7	116.6	111.3	97.9	115.5
1971:															
Jan ..	107.0	97.3	102.0	102.0	96.4	112.3	105.8	110.5	109.0	111.1	116.2	116.8	111.6	97.9	115.9
Feb ..	106.9	96.7	101.5	99.7	96.1	112.4	106.2	110.7	109.1	111.2	116.2	116.9	111.8	97.9	116.2
Mar ..	107.0	96.7	101.5	101.7	95.7	112.7	106.1	110.8	109.3	111.3	116.5	117.2	112.2	97.9	116.7
Apr ..	107.2	96.9	101.6	102.3	95.8	112.8	105.7	111.0	109.3	111.6	116.9	117.3	112.6	98.1	117.1
May ..	107.5	97.1	101.5	102.1	96.2	113.1	106.0	111.3	109.7	111.9	117.5	117.4	112.8	98.1	117.4
June ..	107.3	96.6	101.0	101.5	95.7	113.1	105.6	111.2	108.9	112.1	118.0	117.8	112.6	97.1	117.5
July ..	107.2	96.1	97.7	100.6	95.3	113.2	105.1	111.3	108.8	112.2	118.0	117.9	112.9	97.2	117.9
Aug ..	107.1	95.9	99.5	100.2	95.1	113.2	104.5	111.6	109.1	112.5	117.9	117.8	113.1	97.0	118.2

p-preliminary.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1969 benchmark month.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-5: Employees on nonagricultural payrolls, by industry, seasonally adjusted

Industry division and group	(In thousands)												
	1971						1970						
	Aug. ^P	July ^D	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
TOTAL	70,552	70,566	70,657	70,769	70,599	70,480	70,391	70,454	70,313	69,985	70,082	70,480	70,445
GOODS-PRODUCING	22,324	22,357	22,482	22,599	22,544	22,495	22,504	22,643	22,721	22,435	22,574	23,129	23,180
MINING	610	599	619	622	623	622	622	625	623	624	621	620	620
CONTRACT CONSTRUCTION	3,213	3,228	3,255	3,275	3,282	3,264	3,198	3,271	3,302	3,294	3,284	3,274	3,302
MANUFACTURING	18,501	18,530	18,608	18,702	18,639	18,609	18,684	18,747	18,796	18,517	18,669	19,235	19,258
DURABLE GOODS	10,522	10,554	10,598	10,651	10,598	10,571	10,642	10,697	10,738	10,449	10,598	11,116	11,132
Ordnance and accessories	195	190	193	196	194	195	200	208	212	217	222	230	234
Lumber and wood products	582	580	574	570	567	566	565	563	560	564	565	567	564
Furniture and fixtures	462	462	458	457	452	450	449	449	450	452	454	457	454
Stone, clay, and glass products	627	624	629	633	628	622	624	626	627	626	631	637	633
Primary metal industries	1,182	1,227	1,259	1,272	1,270	1,264	1,260	1,262	1,260	1,253	1,284	1,324	1,306
Fabricated metal products	1,334	1,339	1,333	1,339	1,333	1,298	1,328	1,328	1,333	1,304	1,326	1,387	1,377
Machinery, except electrical	1,775	1,770	1,769	1,783	1,784	1,796	1,810	1,829	1,854	1,870	1,892	1,935	1,953
Electrical equipment	1,773	1,771	1,783	1,793	1,789	1,787	1,792	1,800	1,816	1,811	1,856	1,896	1,910
Transportation equipment	1,746	1,751	1,759	1,768	1,745	1,753	1,771	1,782	1,773	1,497	1,506	1,811	1,826
Instruments and related products	431	431	430	429	426	429	432	437	438	442	447	452	453
Miscellaneous manufacturing	415	409	411	411	410	411	411	413	415	413	415	420	422
NONDURABLE GOODS	7,979	7,976	8,010	8,051	8,041	8,038	8,042	8,050	8,058	8,068	8,071	8,119	8,126
Food and kindred products	1,763	1,760	1,751	1,758	1,753	1,760	1,764	1,765	1,763	1,766	1,759	1,767	1,772
Tobacco manufactures	66	68	77	78	79	77	79	79	79	80	79	79	82
Textile mill products	957	959	956	963	958	958	959	962	961	960	963	970	970
Apparel and other textile products	1,338	1,340	1,357	1,373	1,374	1,368	1,359	1,356	1,360	1,358	1,355	1,364	1,363
Paper and allied products	680	677	682	681	690	689	691	693	695	697	696	702	701
Printing and publishing	1,085	1,084	1,088	1,091	1,088	1,092	1,096	1,099	1,099	1,101	1,103	1,105	1,104
Chemicals and allied products	1,003	1,008	1,016	1,024	1,021	1,021	1,026	1,030	1,033	1,037	1,043	1,048	1,048
Petroleum and coal products	188	188	189	190	190	191	192	192	191	190	189	189	190
Rubber and plastics products, nec	587	587	583	582	577	574	567	564	566	567	569	578	577
Leather and leather products	312	305	311	311	311	308	309	310	311	312	315	317	319
SERVICE-PRODUCING	48,228	48,209	48,175	48,710	48,055	47,985	47,887	47,811	47,592	47,550	47,508	47,351	47,265
TRANSPORTATION AND PUBLIC UTILITIES	4,453	4,477	4,500	4,518	4,505	4,520	4,526	4,507	4,450	4,506	4,517	4,518	4,523
WHOLESALE AND RETAIL TRADE	15,183	15,150	15,135	15,148	15,107	15,074	15,059	15,039	14,952	14,902	14,946	14,931	14,907
WHOLESALE TRADE	3,845	3,835	3,837	3,866	3,854	3,852	3,845	3,841	3,832	3,827	3,833	3,826	3,816
RETAIL TRADE	11,338	11,315	11,298	11,282	11,253	11,222	11,214	11,198	11,120	11,075	11,113	11,105	11,091
FINANCE, INSURANCE, AND REAL ESTATE	3,803	3,805	3,807	3,788	3,769	3,758	3,749	3,746	3,731	3,721	3,706	3,698	3,683
SERVICES	11,895	11,903	11,895	11,858	11,843	11,841	11,809	11,800	11,776	11,750	11,722	11,666	11,632
Hotels and other lodging places	-	727	775	768	768	766	766	770	768	756	759	766	727
Personal services	-	929	943	954	950	960	962	970	971	978	982	984	979
Medical and other health services	-	3,244	3,231	3,222	3,198	3,186	3,169	3,157	3,140	3,126	3,112	3,095	3,074
Educational services	-	1,154	1,155	1,167	1,168	1,168	1,153	1,147	1,151	1,147	1,147	1,138	1,136
GOVERNMENT	12,894	12,874	12,838	12,858	12,831	12,792	12,744	12,719	12,683	12,671	12,617	12,538	12,520
FEDERAL	2,638	2,643	2,640	2,667	2,667	2,662	2,662	2,661	2,661	2,664	2,659	2,657	2,635
STATE AND LOCAL	10,256	10,231	10,198	10,191	10,164	10,130	10,082	10,058	10,022	10,007	9,958	9,881	9,885

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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**B-6: Production or nonsupervisory workers¹ on private nonagricultural payrolls,
seasonally adjusted**

Industry division and group	(In thousands)												
	1971							1970					
	Aug. P	July P	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
TOTAL	47,626	47,652	47,764	47,859	47,711	47,595	47,551	47,636	47,531	47,234	47,370	47,856	47,821
GOODS-PRODUCING	16,548	16,574	16,667	16,766	16,706	16,626	16,614	16,747	16,798	16,493	16,608	17,153	17,190
MINING	456	449	468	472	472	471	471	474	473	473	472	471	470
CONTRACT CONSTRUCTION	2,663	2,680	2,703	2,725	2,732	2,707	2,636	2,722	2,748	2,741	2,730	2,719	2,748
MANUFACTURING	13,429	13,445	13,496	13,569	13,502	13,448	13,507	13,551	13,577	13,279	13,406	13,963	13,972
DURABLE GOODS	7,578	7,600	7,627	7,667	7,612	7,569	7,625	7,665	7,686	7,384	7,510	8,016	8,026
Ordnance and accessories	97	94	95	98	97	99	102	108	111	114	118	124	126
Lumber and wood products	503	501	495	491	488	487	486	483	480	485	486	487	486
Furniture and fixtures	381	380	378	375	372	370	369	370	370	373	373	377	374
Stone, clay, and glass products	497	494	499	502	498	492	494	496	497	496	501	506	503
Primary metal industries	936	967	996	1,012	1,008	1,002	997	997	992	984	1,015	1,055	1,037
Fabricated metal products	1,019	1,020	1,013	1,020	1,014	980	1,006	1,007	1,011	981	999	1,061	1,055
Machinery, except electrical	1,159	1,156	1,152	1,159	1,163	1,172	1,183	1,198	1,217	1,229	1,245	1,288	1,300
Electrical equipment	1,167	1,169	1,179	1,184	1,177	1,173	1,177	1,183	1,192	1,183	1,223	1,254	1,266
Transportation equipment	1,240	1,245	1,246	1,253	1,225	1,225	1,237	1,245	1,236	961	965	1,269	1,280
Instruments and related products	259	257	256	255	253	253	256	260	261	263	266	271	273
Miscellaneous manufacturing	320	317	318	318	317	316	318	318	319	315	319	324	326
NONDURABLE GOODS	5,851	5,845	5,869	5,902	5,890	5,879	5,882	5,886	5,891	5,895	5,896	5,947	5,946
Food and kindred products	1,192	1,187	1,178	1,184	1,181	1,184	1,186	1,187	1,187	1,186	1,179	1,186	1,191
Tobacco manufactures	56	57	64	65	66	64	66	65	66	67	66	66	69
Textile mill products	841	842	838	845	840	839	841	845	842	841	844	850	850
Apparel and other textile products	1,168	1,171	1,188	1,204	1,202	1,197	1,189	1,187	1,192	1,189	1,185	1,196	1,195
Paper and allied products	519	515	520	519	527	526	529	531	532	535	534	540	538
Printing and publishing	665	662	667	667	666	668	671	672	675	674	676	680	677
Chemicals and allied products	577	582	585	588	584	583	586	588	588	592	597	602	599
Petroleum and coal products	115	115	115	116	116	116	118	116	116	115	114	114	115
Rubber and plastics products, nec	450	452	449	448	443	440	433	431	430	430	432	442	440
Leather and leather products	268	262	265	266	265	262	263	264	263	266	269	271	272
SERVICE-PRODUCING	31,078	31,078	31,097	31,093	31,005	30,969	30,937	30,889	30,733	30,741	30,762	30,703	30,631
TRANSPORTATION AND PUBLIC UTILITIES	3,855	3,866	3,897	3,914	3,904	3,916	3,920	3,904	3,844	3,901	3,916	3,920	3,927
WHOLESALE AND RETAIL TRADE	13,471	13,447	13,433	13,458	13,411	13,385	13,360	13,341	13,272	13,243	13,284	13,270	13,247
WHOLESALE TRADE	3,209	3,198	3,201	3,232	3,221	3,222	3,212	3,213	3,214	3,210	3,217	3,209	3,205
RETAIL TRADE	10,262	10,249	10,232	10,226	10,190	10,163	10,148	10,128	10,058	10,033	10,067	10,061	10,042
FINANCE, INSURANCE, AND REAL ESTATE	2,987	2,991	3,000	2,983	2,966	2,954	2,950	2,946	2,938	2,933	2,925	2,922	2,908
SERVICES	10,765	10,774	10,767	10,738	10,724	10,714	10,707	10,698	10,679	10,664	10,637	10,591	10,549

¹ For coverage of series, see footnote 1, table B-2.
p-preliminary.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970
1	ALABAMA	1,014.4	1,017.3	1,017.1	7.8	8.0	8.2	58.2	56.3	54.9	319.2	322.0	329.2
2	Birmingham	265.5	267.9	263.3	5.1	5.4	5.6	17.2	17.1	15.3	72.7	73.7	72.9
3	Huntsville	77.8	77.8	77.2	(1)	(1)	(1)	2.6	2.6	2.8	12.9	12.8	13.7
4	Mobile	101.0	104.0	106.0	(1)	(1)	(1)	6.8	6.7	6.6	21.6	23.6	25.7
5	Montgomery	69.8	69.4	69.7	(1)	(1)	(1)	5.0	5.0	5.4	10.4	10.4	10.5
6	Tuscaloosa	38.2	37.6	37.2	(1)	(1)	(1)	2.5	2.2	2.4	10.8	10.8	10.4
7	ALASKA	105.9	101.2	103.8	2.4	2.4	2.6	9.4	8.5	9.9	14.2	11.9	14.7
8	ARIZONA	546.4	559.1	536.5	11.2	21.9	21.0	42.7	42.0	33.9	84.7	85.6	88.2
9	Phoenix	329.2	329.6	317.5	.2	.2	.2	23.8	23.2	18.2	65.9	65.3	68.5
10	Tucson	109.7	111.2	102.9	5.6	7.2	6.6	11.1	10.9	8.9	9.1	9.1	9.5
11	ARKANSAS	549.8	547.6	537.1	4.7	4.7	4.8	28.5	28.3	28.3	167.9	168.5	166.5
12	Fayetteville	26.9	26.7	26.7	(1)	(1)	(1)	1.5	1.4	1.4	7.8	7.6	7.5
13	Fort Smith	46.0	46.1	46.9	.6	.6	.6	2.3	2.3	3.5	16.5	16.8	16.6
14	Little Rock-North Little Rock	124.7	123.9	123.4	(1)	(1)	(1)	7.7	7.4	8.4	27.0	27.2	26.8
15	Pine Bluff	23.7	23.5	24.0	(1)	(1)	(1)	.8	.8	.9	5.5	5.6	5.7
16	CALIFORNIA	6,965.6	7,001.2	7,023.5	29.7	29.5	32.1	293.8	297.6	310.6	1,457.1	1,453.9	1,569.8
17	Anaheim-Santa Ana-Garden Grove	427.8	429.4	425.4	1.8	1.8	1.8	23.3	23.2	23.6	114.5	114.3	121.1
18	Bakersfield	92.4	92.4	92.1	6.2	6.1	6.7	3.8	3.6	4.1	7.9	7.9	8.0
19	Fresno	120.2	121.6	120.4	.9	.9	.9	5.1	5.0	4.9	18.9	18.0	17.6
20	Los Angeles-Long Beach	2,844.0	2,852.6	2,894.4	10.8	10.7	11.2	105.2	104.5	111.9	742.4	744.9	809.6
21	Modesto-Turlock	56.4	53.4	55.4	.1	.1	.1	3.1	3.1	3.2	16.4	13.0	15.4
22	Oxnard-Ventura	94.9	95.4	94.6	1.9	1.8	1.9	5.0	4.9	5.2	12.6	12.8	13.2
23	Sacramento	264.5	266.7	263.0	.1	.1	.1	13.0	12.5	12.4	20.1	20.7	21.9
24	Salinas-Monterey	65.9	65.8	64.7	.5	.5	.5	2.4	2.4	2.5	7.9	7.5	7.7
25	San Bernardino-Riverside-Ontario	295.8	300.7	293.7	2.5	2.5	2.5	14.3	14.4	14.9	51.3	51.3	53.5
26	San Diego	388.4	389.4	388.7	.5	.5	.5	20.5	20.4	21.3	60.8	61.4	67.7
27	San Francisco-Oakland	1,251.5	1,267.8	1,265.9	1.9	1.8	1.9	60.5	62.5	61.9	193.8	194.8	203.8
28	San Jose	385.0	383.0	385.7	.1	.1	.2	17.6	17.4	18.7	123.1	116.7	129.5
29	Santa Barbara	80.4	81.9	81.4	1.0	1.0	1.0	3.0	3.0	3.6	9.8	10.0	10.4
30	Santa Rosa	52.1	52.2	51.3	.3	.3	.3	2.3	2.3	2.3	7.1	7.1	7.0
31	Stockton	89.7	91.3	88.7	.1	.1	.1	3.6	3.4	3.5	17.3	16.7	16.3
32	Vallejo-Napa	68.4	68.9	69.2	.2	.2	.2	2.6	2.5	2.5	7.6	7.2	7.9
33	COLORADO	768.3	764.8	744.1	13.5	13.5	14.4	43.7	42.8	42.2	117.2	116.6	117.1
34	Denver	494.6	494.8	481.9	4.9	4.9	5.0	31.3	30.7	29.2	85.5	85.7	84.9
35	CONNECTICUT	1,171.5	1,189.2	1,206.2	(2)	(2)	(2)	58.6	58.2	65.1	402.9	408.1	440.7
36	Bridgeport	145.1	147.4	152.2	(2)	(2)	(2)	6.5	6.4	6.8	61.5	62.7	69.4
37	Hartford	319.4	322.8	325.7	(2)	(2)	(2)	16.8	17.6	17.4	87.9	88.4	100.3
38	New Britain	43.7	44.2	46.0	(2)	(2)	(2)	2.1	2.0	2.2	22.1	22.1	24.1
39	New Haven	158.1	159.2	157.9	(2)	(2)	(2)	9.8	9.6	9.1	38.8	39.5	41.4
40	Stamford	83.9	83.4	85.2	(2)	(2)	(2)	4.1	3.2	4.3	26.8	26.8	29.2
41	Waterbury	76.2	77.5	78.1	(2)	(2)	(2)	4.4	4.1	4.4	33.8	34.5	36.1
42	DELAWARE	211.0	213.0	216.5	(1)	(1)	(1)	12.3	12.5	14.0	70.3	71.0	73.6
43	Wilmington	188.6	190.0	193.5	(1)	(1)	(1)	11.3	11.4	13.0	67.2	67.1	70.2
44	DISTRICT OF COLUMBIA ³	719.8	705.3	695.5	(1)	(1)	(1)	20.8	21.3	21.8	18.1	17.9	18.6
45	Washington SMSA	1,220.3	1,206.1	1,178.0	(1)	(1)	(1)	74.5	73.8	74.8	44.7	44.2	43.7
46	FLORIDA	2,135.0	2,179.3	2,086.6	8.1	8.1	8.6	171.3	168.8	172.5	309.8	314.7	314.4
47	Fort Lauderdale-Hollywood	167.9	170.9	168.1	(1)	(1)	(1)	21.2	20.3	23.5	18.4	18.6	19.7
48	Jacksonville	189.9	191.5	191.4	(1)	(1)	(1)	12.2	12.1	12.1	24.2	23.7	25.3
49	Miami	505.0	509.6	497.2	(1)	(1)	(1)	32.8	32.9	32.8	76.9	76.5	76.0
50	Orlando	146.2	149.0	135.0	(1)	(1)	(1)	18.0	18.5	14.7	20.0	20.9	19.5
51	Pensacola	67.5	66.9	66.5	(1)	(1)	(1)	5.1	5.1	5.2	14.3	14.3	14.4
52	Tampa-St. Petersburg	311.7	314.4	303.6	(1)	(1)	(1)	28.0	26.4	25.8	52.7	53.7	53.1
53	West Palm Beach	104.5	104.4	103.2	(1)	(1)	(1)	8.6	8.6	10.1	19.8	19.9	20.1
54	GEORGIA	1,551.8	1,560.8	1,543.0	7.0	7.0	6.9	82.7	83.9	74.7	445.7	453.8	461.5
55	Atlanta	613.6	618.5	608.6	(1)	(1)	(1)	35.7	36.6	28.0	107.5	114.2	121.9

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970	
55.9	55.5	56.8	189.9	190.3	188.8	42.6	42.6	41.8	132.7	132.5	131.3	208.1	210.1	206.1	1
19.1	19.1	19.3	61.2	61.2	60.2	17.4	17.3	16.8	37.7	37.7	37.3	35.1	36.4	35.9	2
1.7	1.7	1.7	11.6	11.6	11.4	2.0	2.0	2.0	16.9	17.0	17.4	30.1	30.1	28.2	3
10.0	9.9	10.7	25.7	26.3	25.6	5.1	5.1	5.0	16.5	16.0	16.6	15.3	16.4	15.8	4
4.1	4.1	4.1	15.8	15.9	15.6	4.7	4.6	4.3	10.8	10.7	10.7	19.0	18.7	19.1	5
1.6	1.6	1.6	6.3	6.3	6.3	1.3	1.3	1.2	4.4	4.0	4.0	11.3	11.4	11.3	6
10.0	9.9	10.3	15.7	15.5	15.1	3.4	3.3	3.0	11.9	11.6	11.6	38.9	38.1	36.6	7
30.8	31.0	30.6	128.9	130.5	125.8	31.7	31.4	30.4	92.2	92.1	91.8	124.2	124.6	114.8	8
18.5	18.4	18.2	81.4	82.4	80.1	24.0	23.8	22.5	54.9	55.4	53.8	60.5	60.9	56.0	9
6.0	6.0	6.0	24.2	24.4	23.3	5.0	5.0	4.9	19.1	19.2	18.8	29.6	29.4	24.9	10
33.4	33.1	32.4	108.4	108.9	106.8	22.4	22.3	22.2	76.7	76.7	74.4	107.8	105.1	101.7	11
2.5	2.4	2.3	5.2	5.1	5.2	.6	.6	.6	3.5	3.6	3.4	5.8	6.0	6.3	12
2.8	2.8	2.8	9.5	9.5	9.6	1.5	1.5	1.4	7.2	7.1	6.9	5.6	5.5	5.5	13
9.6	9.6	9.6	27.5	27.2	26.9	8.8	8.7	8.7	19.3	19.2	18.8	24.8	24.6	24.2	14
3.3	3.3	3.1	4.8	4.7	4.6	.9	.9	.9	3.3	3.3	3.5	5.1	4.9	5.3	15
458.1	462.2	471.5	1,576.9	1,569.8	1,559.6	398.7	395.6	387.3	1,328.5	1,316.0	1,304.1	1,422.8	1,476.6	1,388.5	16
14.9	15.2	14.6	104.3	104.0	102.7	23.8	23.7	22.9	78.0	76.4	75.2	67.2	70.8	63.5	17
6.4	6.3	6.4	22.2	22.0	22.1	3.7	3.7	3.6	15.8	15.8	15.4	26.4	27.0	25.8	18
8.1	8.2	8.3	33.1	32.1	34.3	5.4	5.4	5.4	21.9	22.0	22.5	26.8	30.0	26.5	19
171.7	174.9	178.4	649.9	648.6	645.4	177.2	175.1	173.9	570.6	561.0	557.3	416.2	432.9	406.7	20
2.6	2.5	2.6	12.3	11.8	12.4	1.5	1.5	1.6	10.5	10.5	10.2	9.9	10.9	9.9	21
4.0	4.1	4.2	22.9	22.6	22.7	3.7	3.7	3.5	15.6	15.6	15.6	29.2	29.9	28.3	22
18.3	17.8	17.7	54.7	54.3	54.2	11.0	10.8	10.6	39.7	39.6	38.8	107.6	110.9	107.3	23
4.5	4.5	4.4	17.4	17.3	17.3	2.4	2.4	2.3	12.9	12.6	12.8	17.9	18.6	17.2	24
18.0	17.8	18.1	68.4	69.3	66.5	10.5	10.5	10.2	55.9	57.0	54.5	74.9	77.9	73.5	25
21.1	21.0	20.9	88.0	87.5	86.4	19.5	19.1	18.5	78.7	77.6	78.4	99.3	101.9	95.0	26
129.6	133.2	136.7	269.3	268.7	270.1	101.2	100.8	98.7	228.0	228.7	226.9	267.2	277.3	265.9	27
18.2	17.9	17.6	74.1	75.0	71.1	14.1	14.0	13.5	77.7	78.5	77.2	60.1	63.4	57.9	28
3.6	3.6	3.6	18.4	18.3	18.5	3.4	3.4	3.3	20.7	20.5	20.7	20.5	22.1	20.3	29
2.7	2.7	2.6	13.3	13.1	13.0	3.3	3.3	3.2	9.7	9.5	9.6	13.4	13.9	13.3	30
6.5	6.8	7.1	20.4	20.5	19.6	3.1	3.1	3.1	14.8	15.7	14.5	23.9	25.0	24.5	31
3.7	3.6	3.7	12.5	12.4	12.5	1.8	1.8	1.8	10.7	11.1	10.7	29.3	30.1	29.9	32
54.3	53.8	53.4	180.6	179.8	176.6	41.1	40.9	40.5	137.3	136.1	133.8	180.6	181.3	166.1	33
37.7	37.2	37.4	123.1	122.8	119.7	30.0	30.1	30.4	90.5	89.7	90.1	91.6	93.7	85.2	34
51.0	54.9	54.2	230.1	234.9	226.5	78.0	77.5	75.1	194.4	193.8	188.7	156.5	161.9	155.9	35
6.5	6.5	6.3	28.8	29.2	28.5	5.0	5.0	4.9	21.7	21.9	21.4	15.3	15.5	14.9	36
12.6	13.0	12.2	63.7	65.3	61.8	45.5	45.4	43.9	48.4	48.4	46.5	44.6	44.6	43.6	37
1.2	1.5	1.5	7.1	7.2	7.1	1.3	1.3	1.3	5.3	5.4	5.1	4.6	4.8	4.7	38
14.5	14.6	14.3	32.9	33.2	32.1	8.8	8.7	8.5	34.4	33.6	33.8	18.8	19.9	18.7	39
3.6	3.7	3.4	17.5	17.8	17.4	5.0	5.0	4.9	18.6	18.7	18.5	8.3	8.2	7.5	40
2.9	3.4	3.3	13.0	13.3	13.0	2.4	2.4	2.3	10.8	10.8	10.6	8.9	9.0	8.5	41
11.3	11.3	11.3	43.4	43.4	45.8	9.8	9.7	9.6	31.2	31.9	30.8	32.7	33.2	31.4	42
9.9	10.0	10.1	37.3	37.4	38.2	8.8	8.7	8.6	26.2	27.4	26.9	27.9	28.0	26.5	43
29.7	29.4	31.8	79.3	78.8	81.9	33.6	33.5	34.3	151.8	139.9	142.4	386.5	384.5	364.7	44
61.1	60.7	62.6	231.7	231.7	229.2	70.9	70.2	70.8	273.2	261.1	260.1	464.2	464.4	436.8	45
158.6	157.7	157.2	567.9	572.9	547.8	137.7	136.5	133.5	397.1	398.7	386.6	384.5	421.9	366.0	46
10.0	10.1	9.6	48.6	49.6	48.6	11.5	11.4	11.4	33.0	33.5	32.2	25.2	27.4	23.1	47
21.0	20.9	20.9	52.1	52.2	52.4	19.1	19.0	18.7	29.9	30.1	29.9	31.4	33.5	32.1	48
56.4	56.4	57.3	135.0	135.4	132.3	34.1	33.8	33.0	115.6	114.0	113.5	54.2	60.6	52.3	49
8.9	8.9	8.6	39.7	40.3	37.5	10.1	10.0	9.5	26.9	26.5	23.9	22.6	23.9	21.3	50
3.7	3.6	3.7	14.8	14.4	14.2	2.7	2.7	2.7	9.1	9.1	9.2	17.8	17.7	17.1	51
22.4	22.2	21.5	90.7	90.3	86.2	18.9	18.6	18.4	56.9	57.8	56.1	42.1	45.4	42.5	52
5.2	5.3	5.2	26.8	27.0	26.2	6.9	6.7	6.6	21.2	21.1	19.8	16.0	15.8	15.2	53
107.9	107.1	108.9	329.4	328.5	329.1	80.6	79.9	78.4	190.3	190.5	188.3	308.2	310.1	295.2	54
59.4	59.4	59.9	169.1	167.8	165.6	46.1	45.7	44.6	94.9	94.9	93.2	100.9	99.9	95.4	55

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970
GEORGIA (continued)													
1	Augusta	88.2	88.6	86.3	(1)	(1)	(1)	5.9	6.0	4.7	29.6	29.5	29.7
2	Columbus	72.0	70.9	70.2	(1)	(1)	(1)	4.0	3.9	4.3	18.8	18.9	18.9
3	Macon	77.9	78.8	77.5	(1)	(1)	(1)	3.9	4.0	5.1	14.0	14.0	12.9
4	Savannah	67.6	65.9	67.3	(1)	(1)	(1)	4.4	4.2	4.8	15.4	15.2	15.9
HAWAII													
5	Honolulu	309.5	302.9	304.1	(1)	(1)	(1)	22.0	22.2	25.7	30.8	27.6	32.0
6	Honolulu	263.2	258.1	259.4	(1)	(1)	(1)	19.1	19.3	22.8	23.1	20.6	24.0
IDAHO													
7	Boise	218.1	217.2	208.1	3.6	3.6	3.6	12.3	11.4	11.8	39.9	41.3	38.2
8	Boise	45.2	44.2	42.5	(1)	(1)	(1)	2.8	2.6	3.0	5.3	5.2	4.9
ILLINOIS													
9	Chicago ⁴	4,304.1	4,331.3	4,360.8	23.4	23.2	23.6	189.1	183.9	199.7	1,271.4	1,285.6	1,345.1
10	Chicago	2,965.3	2,981.1	2,999.2	4.4	4.4	4.8	120.7	118.1	123.3	880.7	893.2	931.2
11	Chicago-Northwestern Indiana	(*) 3,198.3	3,224.5	3,224.5	(*)	4.5	4.9	130.5	135.1	135.1	(*)	1,001.7	1,042.3
12	Davenport-Rock Island-Moline	130.4	131.5	133.1	(2)	(2)	(2)	7.2	7.1	7.2	40.6	40.5	43.0
13	Peoria	130.6	129.8	131.9	(2)	(2)	(2)	9.0	8.6	8.9	46.9	46.0	49.0
14	Rockford	106.0	106.7	107.3	(2)	(2)	(2)	4.2	4.2	3.5	50.1	49.9	53.0
INDIANA													
15	Evansville	1,829.2	1,848.7	1,858.6	7.6	7.4	7.2	75.6	74.4	83.0	693.1	704.2	720.7
16	Evansville	91.3	91.4	89.5	1.4	1.4	1.5	4.4	4.3	3.1	35.1	35.2	35.2
17	Fort Wayne	119.6	118.1	121.9	(1)	(1)	(1)	5.3	4.5	5.6	43.0	42.6	45.8
18	Gary-Hammond-East Chicago ⁴	222.3	222.8	225.3	(1)	(1)	(1)	11.9	11.8	11.8	106.1	107.9	111.1
19	Indianapolis	409.8	414.1	421.8	(1)	(1)	(1)	17.2	17.9	19.8	120.7	122.6	128.3
20	Muncie	45.7	46.6	45.8	(1)	(1)	(1)	1.7	1.7	2.0	16.4	17.4	18.8
21	South Bend	92.8	92.4	95.5	(1)	(1)	(1)	3.8	3.7	4.2	30.1	30.5	32.9
22	Terre Haute	54.4	54.9	55.3	1.2	1.2	1.1	3.0	3.0	3.3	15.0	15.2	15.9
IOWA													
23	Cedar Rapids	875.7	889.1	882.5	3.2	3.2	3.3	45.4	44.0	48.0	203.7	203.7	213.2
24	Cedar Rapids	63.7	63.6	64.8	(1)	(1)	(1)	3.9	3.6	3.5	22.6	22.6	24.6
25	Des Moines	127.7	130.1	129.2	(1)	(1)	(1)	6.4	6.3	6.8	24.1	24.1	24.3
26	Dubuque	33.9	34.1	33.2	(1)	(1)	(1)	2.0	2.0	1.6	14.0	13.8	13.8
27	Sioux City	41.0	41.8	40.9	(1)	(1)	(1)	2.5	2.4	1.3	9.1	9.8	10.0
28	Waterloo	47.8	49.3	48.9	(1)	(1)	(1)	2.4	2.3	2.5	17.1	17.2	18.1
KANSAS													
29	Topeka	668.1	673.3	674.8	10.7	10.7	11.2	31.7	30.8	33.7	126.5	126.8	135.7
30	Topeka	63.2	63.3	63.6	.1	.1	.1	2.9	2.7	3.3	10.0	10.0	10.0
31	Wichita	132.5	132.0	137.2	2.2	2.2	2.5	6.9	6.5	6.3	33.8	33.5	38.2
KENTUCKY													
32	Lexington	932.9	941.6	914.8	30.2	30.4	28.9	59.2	57.0	51.9	242.7	247.9	249.7
33	Lexington	77.9	77.7	78.4	(1)	(1)	(1)	4.5	4.7	5.3	15.5	14.9	16.1
34	Louisville	326.1	329.2	337.4	(1)	(1)	(1)	18.0	17.7	17.6	100.9	104.5	117.4
LOUISIANA													
35	Baton Rouge	1,050.1	1,050.6	1,047.6	51.1	50.7	51.2	74.1	74.1	77.1	174.4	173.3	175.7
36	Baton Rouge	104.7	104.1	103.0	.5	.5	.5	11.9	11.9	12.4	18.1	18.1	18.5
37	Lake Charles	40.4	40.2	40.7	1.5	1.5	1.4	4.7	4.5	5.4	9.3	9.2	9.0
38	Monroe	37.8	37.8	36.1	.4	.4	.4	3.2	3.2	2.8	6.6	6.6	6.4
39	New Orleans	374.3	375.1	373.5	13.1	12.9	14.0	23.8	24.0	23.4	54.0	53.6	54.4
40	Shreveport	92.3	92.0	92.5	3.6	3.6	3.9	5.5	5.5	6.0	16.7	16.8	16.5
MAINE													
41	Lewiston-Auburn	332.8	336.1	336.9	(1)	(1)	(1)	18.5	18.1	18.8	101.3	105.4	108.4
42	Lewiston-Auburn	27.5	28.5	28.6	(1)	(1)	(1)	1.6	1.5	1.6	11.7	12.4	12.9
43	Portland	65.6	65.6	65.6	(1)	(1)	(1)	4.0	3.8	3.8	13.3	13.1	14.1
MARYLAND³													
44	Baltimore	1,329.3	1,335.9	1,314.6	1.9	1.9	2.1	97.9	95.0	95.6	255.4	258.3	274.1
45	Baltimore	814.3	819.0	812.0	.3	.3	.3	48.3	47.0	47.0	183.5	187.0	196.8
MASSACHUSETTS													
46	Boston	2,217.9	2,238.8	2,251.6	(1)	(1)	(1)	103.3	100.7	101.9	577.8	598.9	629.7
47	Boston	1,283.1	1,288.8	1,297.4	(1)	(1)	(1)	59.9	58.0	61.9	255.7	261.1	273.4
48	Brockton	51.2	52.7	52.6	(1)	(1)	(1)	2.3	2.2	2.4	14.1	15.3	16.6
49	Fall River	44.8	46.3	46.1	(1)	(1)	(1)	(1)	(1)	(1)	18.8	20.2	19.7
50	Lawrence-Haverhill	80.7	83.1	84.5	(1)	(1)	(1)	2.6	2.5	2.8	35.6	37.4	39.6
51	Lowell ⁵	51.3	53.0	53.3	(1)	(1)	(1)	3.0	2.6	3.1	18.4	19.5	20.6
52	New Bedford	55.1	56.8	55.4	(1)	(1)	(1)	1.8	1.7	2.0	23.5	25.2	24.7
53	Springfield-Chicopee-Holyoke	186.1	188.7	192.5	(1)	(1)	(1)	8.0	7.6	8.6	58.9	60.5	64.6
54	Worcester	127.0	128.0	131.6	(1)	(1)	(1)	6.3	5.6	6.7	40.2	40.7	46.0

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division--Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
July 1971	June 1971	July 1970	July 1971	June 1971	July 1970	July 1971	June 1971	July 1970	July 1971	June 1971	July 1970	July 1971	June 1971	July 1970	
3.8	3.8	3.9	15.6	15.6	14.9	3.1	3.1	3.1	10.4	10.4	10.4	19.8	20.2	19.6	1
3.5	3.5	3.4	13.9	14.0	13.4	4.3	4.2	4.0	9.7	9.6	9.0	17.8	16.8	17.2	2
3.4	3.4	3.6	15.2	15.2	14.4	4.4	4.4	4.2	9.1	9.3	9.5	27.9	28.5	27.8	3
7.6	7.2	7.2	14.8	14.8	15.4	3.5	3.4	3.3	9.5	9.5	9.6	12.4	11.6	11.1	4
24.3	24.1	24.6	71.0	69.9	69.7	19.1	19.1	18.3	61.2	60.3	58.1	81.1	79.7	75.7	5
20.7	20.5	21.1	60.4	59.3	59.8	17.4	17.5	16.7	51.9	51.1	48.9	70.6	69.8	66.1	6
14.8	14.7	14.3	50.9	51.1	49.4	8.4	8.4	7.9	35.5	34.9	32.8	52.7	51.8	50.1	7
3.4	3.4	3.2	11.8	11.6	11.7	3.0	3.0	2.8	7.4	7.2	6.6	11.5	11.2	10.3	8
286.9	287.8	296.7	935.0	941.5	935.6	242.6	240.7	238.5	709.8	708.6	691.9	645.9	660.0	629.8	9
210.1	210.1	214.6	666.1	670.7	664.2	189.9	188.0	187.1	522.9	519.7	511.6	370.5	376.9	362.7	10
(*)	225.3	229.2	(*)	708.2	701.3	(*)	194.5	193.4	(*)	541.3	534.3	(*)	392.4	384.2	11
7.4	7.4	7.5	29.2	29.5	29.5	5.3	5.3	5.1	18.5	19.0	18.1	22.1	22.7	22.8	12
7.2	7.2	7.3	27.9	28.2	27.6	5.4	5.4	5.4	19.2	19.0	18.9	15.0	15.3	14.9	13
3.4	3.4	3.4	20.9	21.0	20.8	3.2	3.2	3.3	14.7	14.6	14.1	9.6	10.4	9.2	14
100.0	99.5	102.4	368.3	369.1	368.2	76.2	75.9	76.8	223.7	224.9	219.6	284.7	293.4	280.7	15
5.2	5.2	5.4	19.3	19.4	19.2	3.2	3.2	3.2	14.1	13.9	13.6	8.6	8.8	8.3	16
8.8	8.6	8.6	27.7	27.8	27.4	6.9	6.8	6.7	16.0	15.3	16.1	11.9	12.5	11.7	17
14.5	14.3	14.6	36.4	36.5	37.1	6.3	6.3	6.3	23.2	23.1	22.9	23.9	22.9	21.5	18
28.4	28.3	29.5	93.5	93.2	94.0	29.2	29.1	29.4	54.6	55.1	54.5	66.2	67.9	66.3	19
2.4	2.4	2.4	9.3	9.4	8.8	1.4	1.4	1.5	5.4	5.2	5.3	9.1	9.1	7.0	20
4.8	4.8	5.0	21.0	21.0	21.1	5.1	5.0	5.0	16.5	16.4	16.8	11.5	11.0	10.5	21
4.2	4.2	4.2	13.0	13.0	13.1	1.8	1.8	1.8	6.5	6.5	6.5	9.7	10.0	9.4	22
51.3	51.5	51.7	211.2	214.9	208.1	42.7	42.8	41.9	145.6	150.2	144.3	172.6	178.9	171.9	23
3.4	3.3	3.2	13.4	13.7	13.6	3.1	3.1	3.1	9.7	9.8	9.5	7.6	7.4	7.4	24
9.6	9.6	9.5	31.7	32.2	32.7	15.6	15.6	15.2	21.8	22.3	21.9	18.5	20.0	18.9	25
1.7	1.7	1.7	7.0	7.0	6.8	1.0	1.0	.9	5.7	5.7	5.7	2.6	3.0	2.6	26
3.2	3.1	3.3	11.6	11.7	11.3	2.1	2.1	2.1	7.1	7.1	7.4	5.5	5.4	5.6	27
2.3	2.3	2.4	10.8	10.8	10.5	1.4	1.4	1.5	7.1	7.2	7.2	6.7	8.0	6.6	28
53.7	53.8	53.9	160.1	161.2	160.4	31.4	31.4	30.7	104.9	105.9	104.3	149.1	152.7	144.9	29
7.0	7.0	7.5	13.0	13.0	12.8	4.2	4.1	4.0	10.2	10.5	10.2	16.0	16.0	15.8	30
7.7	7.6	8.1	30.6	30.6	32.1	6.8	6.8	6.9	24.8	24.9	25.4	19.9	20.0	18.1	31
59.9	59.7	60.3	186.3	184.8	182.3	36.6	36.8	35.7	141.6	141.9	137.5	176.4	183.1	168.5	32
4.4	4.4	4.3	15.8	15.8	15.7	3.7	3.7	3.6	13.4	13.7	13.2	20.6	20.5	20.2	33
23.2	23.2	23.7	73.5	72.9	70.3	17.6	17.4	17.2	49.8	49.9	48.0	43.0	43.6	43.2	34
93.3	93.2	94.2	228.8	229.2	229.6	51.0	50.5	49.9	161.6	160.4	161.3	215.8	219.2	208.6	35
5.3	5.2	5.4	21.4	21.4	21.3	5.8	5.8	5.6	14.5	14.3	13.9	27.2	26.9	25.4	36
2.9	2.9	3.1	8.6	8.6	8.4	1.5	1.4	1.4	6.0	5.9	5.9	5.9	6.2	6.1	37
2.2	2.2	2.3	9.9	9.9	9.6	2.4	2.4	2.4	5.5	5.5	5.3	7.6	7.6	6.9	38
45.4	45.5	46.8	90.6	90.4	89.6	22.9	22.8	22.9	65.4	65.9	66.1	59.1	60.0	56.3	39
9.3	9.2	9.4	23.0	22.9	22.8	4.5	4.5	4.4	14.9	14.8	14.7	14.8	14.7	14.8	40
17.9	17.8	18.3	67.8	66.9	68.1	12.9	12.8	12.5	46.3	45.0	46.2	68.1	70.1	64.6	41
1.0	1.1	.9	6.1	6.2	6.2	.9	.9	.9	4.2	4.2	4.2	2.0	2.2	1.9	42
5.6	5.6	5.5	17.5	17.5	17.6	5.7	5.7	5.5	11.6	11.4	11.7	7.9	8.5	7.4	43
83.2	82.8	82.4	320.9	320.6	306.8	72.6	71.4	71.0	250.3	249.2	241.1	247.1	256.7	241.5	44
58.6	58.2	58.1	180.9	181.1	176.2	45.0	44.5	44.5	140.9	140.7	136.6	156.8	160.2	152.5	45
119.8	118.3	119.5	483.3	490.5	484.1	131.9	131.0	132.0	489.4	489.1	480.7	312.4	310.3	303.7	46
76.6	72.8	77.2	296.8	301.8	295.6	95.7	95.6	96.6	318.6	321.0	313.7	179.8	178.5	179.0	47
4.0	4.0	4.0	13.0	13.1	12.7	1.5	1.5	1.5	7.6	7.7	7.2	8.7	8.9	8.2	48
2.1	2.1	2.2	9.9	10.2	9.9	(1)	(1)	(1)	9.2	9.1	9.3	4.8	4.7	5.0	49
2.6	2.8	2.6	14.8	14.8	14.9	2.4	2.5	2.4	11.2	10.8	11.0	11.5	12.3	11.2	50
2.3	2.4	2.2	11.1	11.6	11.1	1.5	1.5	1.5	8.1	8.5	7.9	6.9	6.9	6.9	51
3.4	3.4	3.2	11.2	11.4	11.0	(1)	(1)	(1)	10.1	9.8	9.6	5.1	5.3	4.9	52
8.8	9.0	8.8	39.0	40.1	40.3	9.6	9.6	9.7	35.5	35.9	35.0	26.3	26.0	25.5	53
7.0	7.0	7.0	26.5	27.2	25.8	7.0	7.0	7.2	23.1	23.6	22.3	16.9	16.9	16.6	54

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970
1	MICHIGAN	2,931.1	3,004.8	2,943.7	12.9	12.9	12.7	115.3	111.4	111.7	1,007.7	1,052.3	1,049.3
2	Ann Arbor	103.1	104.9	97.4	(1)	(1)	(1)	2.7	2.7	3.0	37.5	37.3	29.5
3	Battle Creek	61.5	60.4	61.6	(1)	(1)	(1)	1.9	1.7	1.9	25.3	24.3	25.7
4	Bay City	30.0	30.6	31.3	(1)	(1)	(1)	1.5	1.5	1.5	10.6	11.1	11.7
5	Detroit	1,464.6	1,503.7	1,484.9	.8	.8	1.0	61.0	59.6	56.0	510.8	536.0	546.0
6	Flint	155.2	164.2	148.1	(1)	(1)	(1)	3.7	3.7	4.9	72.0	78.3	59.9
7	Grand Rapids	189.0	190.1	190.4	(1)	(1)	(1)	8.5	8.2	9.4	68.9	69.6	72.0
8	Jackson	44.6	44.5	45.7	(1)	(1)	(1)	1.7	1.7	1.8	16.1	15.9	17.0
9	Kalamazoo	69.3	71.2	71.8	(1)	(1)	(1)	3.3	3.2	3.2	25.7	26.5	27.9
10	Lansing	127.3	133.3	128.0	(1)	(1)	(1)	7.4	6.7	6.8	36.8	37.4	36.7
11	Muskegon-Muskegon Heights	47.5	48.9	51.4	(1)	(1)	(1)	1.5	1.5	1.7	20.4	21.6	24.5
12	Saginaw	73.0	75.0	67.2	(1)	(1)	(1)	3.8	3.5	3.3	30.7	33.2	25.7
13	MINNESOTA	1,308.1	1,308.1	1,317.4	15.5	15.2	15.5	69.5	68.1	73.9	305.2	300.0	324.3
14	Duluth-Superior	56.2	56.1	57.5	(1)	(1)	(1)	2.5	2.5	3.1	9.4	9.2	10.1
15	Minneapolis-St. Paul	774.9	781.8	787.8	(1)	(1)	(1)	37.0	38.9	41.4	194.5	194.3	208.3
16	MISSISSIPPI	584.5	584.2	575.3	6.5	6.6	6.6	36.1	35.3	37.0	186.9	186.2	181.5
17	Jackson	93.3	93.6	90.8	.7	.7	.7	6.2	5.7	6.3	13.9	14.0	13.4
18	MISSOURI	1,621.5	1,633.0	1,656.6	8.2	8.2	8.9	74.7	73.6	76.6	419.1	423.4	447.4
19	Kansas City	519.8	520.2	506.5	.5	.5	.5	28.5	27.2	18.9	120.4	121.0	128.6
20	St. Joseph	31.6	31.7	32.5	(2)	(2)	(2)	1.7	1.7	1.9	9.3	9.1	10.3
21	St. Louis	890.3	896.1	910.3	2.2	2.2	2.3	41.9	41.5	45.0	256.7	262.4	278.7
22	Springfield	55.5	56.2	56.9	.1	.1	.1	2.3	2.3	3.5	15.1	15.4	15.3
23	MONTANA	206.6	211.2	212.0	4.0	7.1	7.3	12.7	12.1	14.0	21.6	24.3	24.5
24	Billings	30.0	30.4	29.5	(1)	(1)	(1)	1.8	1.9	2.0	3.4	3.4	3.2
25	Great Falls	24.1	25.6	25.5	(1)	(1)	(1)	2.0	2.0	2.3	1.4	2.9	3.0
26	NEBRASKA	483.8	489.4	481.1	2.0	1.9	1.7	24.5	23.9	27.7	82.4	83.1	86.0
27	Lincoln	71.8	73.0	70.3	-	-	-	4.4	4.2	3.8	10.8	10.6	10.7
28	Omaha	211.5	213.1	211.0	(2)	(2)	(2)	9.8	9.4	12.7	36.9	37.4	40.0
29	NEVADA	213.6	212.1	205.1	3.5	4.1	4.3	12.8	12.7	11.5	8.4	8.7	8.4
30	Las Vegas	116.6	115.7	110.9	.2	.2	.1	7.4	7.6	6.8	4.3	4.3	4.2
31	Reno	61.2	60.2	57.2	.2	.2	.2	3.8	3.9	3.6	3.0	3.0	2.9
32	NEW HAMPSHIRE	266.7	264.8	273.6	.4	.4	.4	13.2	13.1	14.1	82.9	86.6	92.4
33	Manchester	47.7	49.7	49.1	(1)	(1)	(1)	2.5	2.5	2.7	15.0	16.4	16.1
34	NEW JERSEY	2,620.9	2,634.1	2,640.9	3.5	3.5	3.5	129.2	128.5	128.8	817.9	829.6	864.8
35	Atlantic City	69.9	65.7	69.5	-	-	-	3.5	3.4	3.6	10.6	10.4	10.8
36	Camden	259.4	261.4	250.7	.1	.1	.1	14.7	14.8	15.0	71.3	71.8	70.4
37	Jersey City ⁷	252.8	253.1	259.1	-	-	-	7.4	7.3	7.6	102.3	103.1	107.6
38	Long Branch	124.0	123.4	123.9	.1	.1	.1	6.1	5.9	6.5	20.5	20.9	21.4
39	Newark ⁷	787.6	792.8	799.6	.8	.8	.7	36.0	35.4	34.8	233.2	235.0	250.2
40	Paterson-Clifton-Passaic ⁷	506.9	512.3	509.8	.3	.3	.3	24.0	23.9	23.2	178.1	180.8	187.9
41	Perth Amboy ⁷	276.0	282.1	279.2	.9	.9	.9	13.6	13.1	14.4	107.2	110.5	115.9
42	Trenton	132.9	134.2	133.7	(1)	(1)	(1)	4.2	4.3	4.3	37.3	38.2	40.1
43	NEW MEXICO	300.6	303.3	293.5	15.8	17.0	17.6	18.5	18.3	17.0	21.7	21.5	21.3
44	Albuquerque	112.6	112.7	107.5	(1)	(1)	(1)	8.3	8.0	7.3	9.6	9.5	9.4
45	NEW YORK	(*)	7,155.9	7,206.7	(*)	8.5	8.4	(*)	286.1	286.0	(*)	1,679.3	1,745.6
46	Albany-Schenectady-Troy	277.2	281.2	279.3	(1)	(1)	(1)	15.1	14.6	15.6	58.3	59.9	61.0
47	Binghamton	98.8	102.8	104.9	(1)	(1)	(1)	4.2	4.1	5.2	38.7	39.7	43.5
48	Buffalo	475.4	493.4	496.2	(1)	(1)	(1)	18.9	19.0	21.8	150.0	163.3	166.5
49	Elmira	36.5	37.4	38.4	(1)	(1)	(1)	1.8	1.7	2.2	14.0	14.1	15.4
50	Monroe County ⁸	302.6	304.9	306.5	(1)	(1)	(1)	16.4	16.5	11.0	124.0	123.6	133.5
51	Nassau and Suffolk Counties ⁹	738.5	748.4	740.3	(1)	(1)	(1)	43.6	43.1	41.1	138.6	139.8	152.8
52	New York-Northeastern New Jersey	(*)	6,685.3	6,713.7	(*)	4.6	4.5	(*)	263.4	257.9	(*)	1,591.1	1,652.8
53	New York SMSA ⁷	(*)	4,846.3	4,866.8	(*)	2.6	2.6	(*)	183.6	177.9	(*)	962.2	991.1
54	New York City ⁹	(*)	3,715.0	3,751.4	(*)	1.9	1.9	(*)	114.1	112.2	(*)	735.2	747.0
55	Rochester	342.8	345.5	347.5	(1)	(1)	(1)	17.9	17.9	12.2	137.1	135.9	146.4
56	Rockland County ⁹	65.8	64.8	65.4	(1)	(1)	(1)	4.5	4.4	4.1	14.6	14.5	15.4
57	Syracuse	224.0	227.4	222.0	(1)	(1)	(1)	11.2	10.9	9.3	59.6	59.9	62.7
58	Utica-Rome	112.4	113.0	116.2	(1)	(1)	(1)	5.2	4.1	4.7	37.0	38.0	40.5
59	Westchester County ⁹	314.8	317.2	309.7	(1)	(1)	(1)	22.6	22.0	20.5	71.5	72.8	75.9

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division--Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
July 1971	June 1971	July 1970	July 1971	June 1971	July 1970	July 1971	June 1971	July 1970	July 1971	June 1971	July 1970	July 1971	June 1971	July 1970	
152.3	152.0	153.2	601.4	602.2	591.6	122.4	121.1	120.7	426.6	430.3	426.0	492.5	522.7	478.6	1
2.4	2.4	2.5	12.6	12.5	12.8	2.6	2.6	2.5	10.7	11.2	11.3	34.5	36.2	35.9	2
2.5	2.5	2.7	9.6	9.5	9.4	3.5	3.5	3.5	8.0	8.0	7.8	10.8	10.9	10.7	3
1.3	1.3	1.8	7.2	7.3	7.2	.9	.9	.8	3.8	3.8	3.8	4.8	4.8	4.5	4
85.6	84.9	83.1	302.7	301.8	301.6	69.8	69.5	69.7	223.9	226.9	224.0	210.0	224.1	203.6	5
5.6	5.5	5.1	31.7	32.3	34.6	4.4	4.3	4.3	17.5	17.3	16.6	20.4	22.6	22.7	6
9.8	9.8	10.5	45.3	45.7	43.4	7.3	7.3	7.5	26.8	27.0	26.3	22.4	22.5	21.4	7
3.7	3.7	4.3	8.4	8.4	8.3	1.5	1.5	1.5	5.3	5.3	5.1	8.0	8.1	7.8	8
2.2	2.5	2.7	13.9	13.9	13.6	2.3	2.3	2.3	9.2	9.1	9.1	12.6	13.6	13.0	9
3.2	3.2	3.5	22.5	22.5	22.1	5.8	5.7	5.7	14.4	14.4	16.1	37.2	43.4	37.2	10
2.6	2.6	2.7	8.6	8.7	8.5	1.3	1.3	1.3	6.5	6.4	6.2	6.6	6.8	6.5	11
3.0	2.9	3.7	14.5	14.2	14.1	2.8	2.7	2.5	9.1	9.2	9.0	9.2	9.1	8.8	12
90.7	89.8	87.1	312.9	313.2	312.3	64.9	64.8	64.6	213.7	215.5	213.3	235.8	241.4	226.5	13
7.7	7.7	7.9	13.3	13.4	13.2	1.9	1.9	1.9	10.9	10.8	11.1	10.5	10.5	10.1	14
58.4	58.5	54.7	186.3	187.7	188.4	47.7	47.6	48.0	141.1	143.0	142.0	109.9	111.8	105.1	15
30.0	29.9	30.1	108.3	107.9	106.0	21.5	21.4	21.3	69.5	68.5	69.4	125.7	128.3	123.3	16
6.0	6.0	6.0	22.4	22.5	22.2	7.2	7.2	7.2	15.5	15.6	15.2	21.3	21.9	19.7	17
123.3	123.2	129.4	368.6	367.7	377.2	91.1	90.7	89.3	261.0	262.8	260.0	275.5	283.4	267.8	18
50.2	49.6	51.7	129.4	128.5	124.8	33.7	33.4	32.9	85.5	85.5	81.7	71.6	74.5	67.4	19
2.1	2.1	2.1	7.7	7.8	7.7	1.4	1.4	1.4	5.1	5.1	4.9	4.3	4.5	4.2	20
66.0	65.8	69.5	194.7	194.6	192.7	47.7	47.5	47.6	152.0	153.5	151.6	129.1	128.6	122.9	21
4.7	4.7	4.5	14.0	14.2	14.5	2.3	2.2	2.2	9.2	9.2	9.1	7.8	8.1	7.7	22
17.9	17.7	18.0	51.3	51.0	50.8	8.3	8.3	8.2	35.4	34.7	35.6	55.4	56.0	53.6	23
2.7	2.6	2.6	9.4	9.4	9.3	1.5	1.5	1.5	6.1	6.0	5.9	5.1	5.6	5.0	24
2.1	2.1	2.1	6.7	6.8	6.3	1.5	1.5	1.5	4.9	4.8	5.0	5.5	5.5	5.3	25
37.2	37.1	38.2	123.3	123.9	119.8	30.5	30.5	29.4	82.5	84.2	81.4	101.4	105.0	96.9	26
5.3	5.3	5.2	14.8	15.0	14.5	5.6	5.7	5.4	11.3	11.1	11.3	19.6	21.1	19.3	27
20.7	20.7	20.9	54.5	55.4	53.2	17.4	17.4	16.9	38.9	39.5	38.2	33.3	33.4	29.2	28
14.6	14.4	13.9	42.0	41.2	39.8	8.3	8.2	8.0	86.0	84.6	82.0	38.0	38.2	37.2	29
7.5	7.5	7.2	22.9	22.6	21.6	4.3	4.2	4.1	53.3	52.7	50.5	16.7	16.6	16.4	30
5.0	4.9	4.7	13.6	13.4	12.7	3.2	3.2	3.0	22.5	21.3	20.4	9.9	10.3	9.7	31
11.9	12.1	11.8	52.8	52.4	52.4	11.8	11.8	11.4	56.3	49.3	55.2	37.4	39.1	35.9	32
3.5	3.6	3.5	11.3	11.5	11.6	3.3	3.3	3.3	8.1	8.2	8.0	4.0	4.2	3.9	33
179.0	177.7	184.2	555.5	556.9	540.1	124.1	122.5	120.0	436.0	430.9	430.6	375.7	384.5	368.9	34
3.7	3.6	3.8	20.8	18.4	20.2	2.9	2.9	2.9	17.7	15.9	16.8	10.7	11.1	11.4	35
13.4	13.2	13.2	63.5	63.6	58.0	10.0	9.9	9.4	39.1	39.1	38.8	47.3	48.9	45.8	36
34.3	33.6	35.2	40.1	40.6	38.8	8.3	8.2	8.7	30.6	30.7	30.6	29.8	29.6	30.6	37
6.3	6.3	6.2	31.9	30.5	29.1	4.3	4.3	4.3	28.2	27.6	29.5	26.6	27.8	26.8	38
62.6	62.2	65.0	151.8	154.5	150.5	57.3	57.1	55.6	139.4	139.9	138.9	106.5	107.9	103.9	39
26.0	26.8	26.9	125.2	127.1	120.9	20.3	20.0	19.4	79.0	79.2	79.1	54.0	54.2	52.1	40
14.5	14.8	15.2	56.3	57.6	52.8	6.4	6.4	6.1	32.8	32.3	31.2	44.3	46.5	42.7	41
6.6	6.5	6.6	20.2	20.6	20.4	5.4	5.3	5.3	29.6	29.8	28.4	29.6	29.5	28.6	42
20.5	20.4	20.1	63.3	63.2	61.7	13.1	13.0	12.5	56.4	57.5	55.7	91.3	92.4	87.6	43
6.9	7.1	6.9	27.4	27.4	26.7	6.9	6.9	6.5	25.8	25.8	25.2	27.7	28.0	25.5	44
(*)	494.9	509.9	(*)	1,464.3	1,447.7	(*)	603.9	601.3	(*)	1,384.1	1,380.3	(*)	1,234.7	1,227.4	45
16.5	16.3	16.5	56.9	57.2	55.2	11.5	11.4	11.3	48.9	48.9	47.3	70.0	72.9	72.4	46
4.4	4.6	4.7	17.8	18.2	18.0	3.3	3.3	3.3	12.2	12.3	12.4	18.1	20.8	17.8	47
31.5	31.8	33.2	100.6	101.4	102.0	19.9	19.7	19.8	78.0	77.4	76.4	76.6	80.7	76.5	48
1.6	1.5	1.6	7.7	7.7	7.5	1.0	1.0	1.0	5.7	5.8	5.6	4.8	5.5	5.1	49
10.9	10.8	11.2	53.2	55.0	53.3	11.7	11.6	11.8	52.6	52.3	50.6	33.8	35.0	35.1	50
34.7	36.1	33.1	200.5	201.5	195.0	35.0	34.9	34.0	145.0	144.5	140.8	141.0	148.6	143.6	51
(*)	511.0	528.7	(*)	1,394.2	1,369.5	(*)	606.5	601.1	(*)	1,293.9	1,278.6	(*)	1,020.6	1,020.6	52
(*)	374.0	386.4	(*)	1,014.5	1,006.3	(*)	514.9	511.3	(*)	1,011.7	999.8	(*)	782.7	791.3	53
(*)	315.3	330.3	(*)	728.3	729.3	(*)	463.6	460.7	(*)	786.0	781.7	(*)	570.5	588.2	54
12.5	12.4	12.8	60.8	62.7	61.0	12.4	12.4	12.6	57.6	57.3	55.5	44.5	47.0	47.0	55
3.3	3.3	3.4	13.7	13.8	13.1	2.1	2.0	2.0	10.9	10.4	10.8	16.7	16.4	16.6	56
14.7	14.5	14.6	50.1	50.5	49.1	13.1	12.9	12.7	37.0	37.9	36.3	38.2	40.8	37.2	57
4.9	5.0	5.5	19.8	19.7	19.9	4.8	4.8	4.8	15.3	14.9	15.1	25.4	26.5	25.8	58
19.3	19.4	19.6	70.4	71.1	69.0	14.5	14.4	14.6	71.5	70.8	67.2	45.1	46.8	42.9	59

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970
1	NORTH CAROLINA	1,765.5	1,775.8	1,764.7	3.8	3.8	4.0	97.7	97.6	102.4	704.7	708.2	709.0
2	Asheville	-	-	-	-	-	-	-	-	-	19.1	19.3	19.6
3	Charlotte	178.7	180.9	181.5	(1)	(1)	(1)	11.9	11.9	13.1	41.4	41.5	43.0
4	Greensboro-Winston-Salem-High Point	261.2	262.7	261.5	(1)	(1)	(1)	15.2	15.2	14.9	110.1	110.5	112.5
5	Raleigh	-	-	-	-	-	-	-	-	-	13.3	13.9	13.8
6	NORTH DAKOTA	170.9	172.1	165.5	1.9	1.8	1.7	16.8	16.2	13.0	9.6	9.9	9.7
7	Fargo-Moorhead	43.1	43.7	41.6	.1	.1	.1	3.9	3.8	3.5	3.2	3.2	2.9
8	OHIO	3,841.2	3,896.8	3,902.3	22.5	22.1	21.5	166.1	158.9	176.8	1,322.8	1,345.5	1,418.9
9	Akron	242.6	246.9	245.1	.3	.3	.3	9.0	8.7	9.3	91.6	92.1	98.4
10	Canton	136.6	137.7	138.2	.4	.4	.4	5.4	5.2	5.8	58.2	59.6	61.5
11	Cincinnati	505.9	512.1	512.8	.4	.4	.4	21.2	20.7	22.0	158.1	162.9	172.3
12	Cleveland	844.9	856.4	864.2	1.5	1.5	1.5	36.4	36.0	36.3	269.6	276.9	298.7
13	Columbus	374.3	384.3	377.1	.8	.8	.8	18.1	17.7	19.5	82.6	84.7	89.5
14	Dayton	320.6	321.3	332.9	.5	.5	.5	12.3	11.8	13.0	111.5	111.5	128.8
15	Toledo	240.0	247.0	242.4	.3	.3	.4	9.3	9.2	10.1	77.1	79.1	82.0
16	Youngstown-Warren	204.2	204.4	199.1	.3	.3	.3	7.9	6.7	9.2	90.9	91.0	87.8
17	OKLAHOMA	774.5	777.7	773.0	37.6	37.4	39.8	39.9	40.3	40.2	133.3	132.8	137.3
18	Oklahoma City	261.8	263.4	258.3	6.8	6.8	7.1	15.2	14.9	14.8	37.0	37.2	39.2
19	Tulsa	177.6	176.8	178.9	13.6	13.5	13.4	8.3	8.3	8.9	40.0	39.7	42.1
20	OREGON	734.6	740.1	711.8	1.6	1.5	1.4	31.1	30.2	31.6	182.1	175.4	176.9
21	Eugene	69.2	71.9	68.6	(1)	(1)	(1)	3.3	3.2	3.5	19.3	18.7	19.3
22	Portland	387.6	392.1	378.9	(1)	(1)	(1)	17.4	17.3	18.5	87.5	85.7	85.8
23	Salem	55.9	55.2	54.8	(1)	(1)	(1)	2.2	2.2	2.8	11.5	10.1	11.4
24	PENNSYLVANIA	4,271.0	4,288.6	4,379.0	41.1	37.4	39.7	198.5	177.9	217.1	1,437.0	1,443.5	1,532.8
25	Allentown-Bethlehem-Easton	211.1	213.2	217.5	.5	.5	.5	7.8	7.4	8.5	96.9	97.8	104.5
26	Altoona	48.8	48.7	49.4	(1)	(1)	(1)	2.3	2.4	2.5	15.7	15.5	15.9
27	Delaware Valley	1,507.9	1,493.2	1,547.8	1.5	1.4	1.5	80.9	69.0	80.4	442.0	434.3	476.5
28	Eric	96.9	97.3	98.6	(1)	(1)	(1)	3.8	3.2	4.5	42.4	42.7	43.7
29	Harrisburg	177.3	177.2	178.3	(1)	(1)	(1)	8.7	6.9	8.7	38.7	39.1	40.3
30	Johnstown	78.1	79.9	79.1	5.5	5.6	5.2	3.3	3.2	3.2	23.8	25.2	25.7
31	Lancaster	122.1	123.6	122.2	(1)	(1)	(1)	7.0	7.0	7.0	52.5	52.5	56.2
32	Philadelphia	1,767.3	1,754.9	1,798.4	1.6	1.6	1.6	95.7	83.8	95.4	513.2	506.3	546.9
33	Pittsburgh	863.4	884.6	882.7	10.0	9.3	8.6	45.9	44.6	46.5	263.4	273.4	283.0
34	Reading	122.1	124.8	122.6	(1)	(1)	(1)	4.4	4.1	4.9	54.0	55.5	56.1
35	Scranton	83.9	84.5	85.2	.4	.4	.4	2.7	2.5	3.0	31.1	32.4	32.7
36	Wilkes-Barre-Hazleton	122.1	124.8	122.5	1.7	1.9	2.0	5.9	5.6	6.3	51.8	53.4	51.8
37	York	131.7	132.0	135.4	(1)	(1)	(1)	8.7	7.3	11.0	58.9	58.9	61.8
38	RHODE ISLAND	334.1	339.7	341.5	(1)	(1)	(1)	15.4	15.1	16.4	111.6	116.1	118.0
39	Providence-Pawtucket-Warwick	346.1	352.4	354.0	(1)	(1)	(1)	15.7	15.4	16.8	127.6	132.8	135.0
40	SOUTH CAROLINA	851.9	852.3	843.1	1.7	1.7	1.7	56.7	56.1	53.0	330.8	335.2	340.2
41	Charleston	86.0	88.1	87.0	(1)	(1)	(1)	5.6	5.5	5.7	13.6	14.5	15.4
42	Columbia	112.7	112.8	110.9	(1)	(1)	(1)	8.6	8.6	7.8	19.6	19.6	21.0
43	Greenville	120.5	120.6	121.6	(1)	(1)	(1)	9.1	9.0	9.3	52.6	52.9	55.2
44	SOUTH DAKOTA	182.5	184.0	178.4	2.4	2.4	2.4	9.1	8.7	8.4	16.5	16.4	16.1
45	Sioux Falls	35.3	35.9	35.0	(1)	(1)	(1)	2.1	2.0	1.9	6.2	6.1	6.1
46	TENNESSEE	1,355.9	1,361.8	1,323.1	7.3	7.3	7.2	75.1	75.4	63.5	463.6	465.3	465.0
47	Chattanooga	132.2	130.5	125.6	.3	.3	.3	6.7	6.3	5.6	52.8	52.3	51.1
48	Knoxville	144.9	144.5	146.7	2.0	2.0	1.8	7.4	7.3	5.1	46.1	46.2	49.3
49	Memphis	280.7	281.7	274.6	.3	.3	.3	18.8	18.2	15.3	57.4	58.0	59.3
50	Nashville	222.5	222.4	224.0	(1)	(1)	(1)	13.9	13.7	14.1	58.6	59.1	60.8
51	TEXAS	3,643.5	3,655.3	3,649.8	105.8	105.9	106.6	213.1	216.4	232.8	705.6	712.7	747.2
52	Amarillo	-	-	-	-	-	-	-	-	-	7.5	7.5	7.3
53	Austin	115.7	119.9	108.6	(1)	(1)	(1)	9.0	8.9	8.3	11.8	11.8	11.6
54	Beaumont-Port Arthur-Orange	105.4	106.5	106.3	(1)	(1)	(1)	6.7	7.1	8.4	36.8	37.3	36.0
55	Corpus Christi	-	-	-	-	-	-	-	-	-	11.4	11.3	11.7

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division--Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970	
92.1	95.0	93.3	320.8	321.6	317.9	70.9	70.3	71.2	220.5	216.5	216.5	255.0	262.8	250.4	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
18.0	19.0	18.9	47.0	47.0	47.3	13.6	13.4	13.2	27.0	26.9	25.9	19.8	21.2	20.1	3
16.0	16.7	16.1	47.6	47.9	47.5	13.1	13.0	12.8	32.1	31.8	31.4	27.1	27.6	26.3	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
12.2	12.2	12.6	45.5	45.1	44.8	7.4	7.3	7.1	29.0	29.4	28.6	48.7	50.2	48.0	6
3.2	3.1	3.3	12.7	12.7	12.5	2.5	2.5	2.4	8.0	8.1	7.8	9.6	10.4	9.2	7
233.4	232.4	232.8	783.2	784.9	776.2	166.2	165.0	161.3	592.4	602.6	573.7	554.6	585.4	541.1	8
14.6	14.6	15.1	48.5	48.1	48.5	7.5	7.4	7.2	37.0	37.7	34.8	34.1	38.1	31.4	9
7.3	7.1	7.5	26.0	25.9	25.7	5.1	5.0	4.8	21.1	21.3	19.9	13.2	13.2	12.6	10
37.4	37.3	37.3	108.7	106.9	107.0	27.7	27.6	26.9	82.7	84.3	79.2	69.7	72.0	67.7	11
54.0	53.7	53.7	185.9	187.0	183.6	44.5	43.9	43.1	144.2	146.4	138.6	108.8	110.9	108.6	12
21.9	21.7	21.8	80.6	80.8	79.5	26.1	26.0	26.0	68.2	69.3	64.9	76.0	83.2	75.2	13
13.2	13.0	12.9	62.6	62.6	61.6	10.7	10.7	10.0	50.6	51.3	48.6	59.3	59.9	57.4	14
18.1	18.1	18.1	53.3	53.7	52.8	8.5	8.4	8.2	40.8	41.6	39.2	32.7	36.5	31.8	15
10.1	10.2	10.4	39.3	39.3	38.0	6.1	6.0	5.8	29.0	29.6	27.5	20.6	21.3	19.9	16
52.7	52.6	53.6	170.7	170.8	168.6	37.5	37.3	37.3	119.7	119.7	118.4	183.1	186.8	177.8	17
17.3	17.2	17.4	59.3	58.9	58.0	15.9	15.8	15.7	40.3	40.1	38.8	70.0	72.5	67.3	18
15.1	15.1	15.7	41.0	40.6	40.3	9.6	9.5	9.6	31.7	31.8	31.0	18.3	18.3	17.9	19
47.7	49.0	49.1	169.7	169.1	162.2	37.2	36.8	36.3	121.9	122.0	115.0	143.3	156.1	139.3	20
4.2	4.3	4.2	14.8	15.0	14.3	3.0	3.1	2.9	10.0	10.4	9.5	14.6	17.2	14.9	21
29.0	30.2	30.8	95.2	95.3	92.5	25.5	25.3	25.0	71.5	72.4	67.5	61.5	65.9	58.8	22
1.9	2.0	2.0	11.1	11.1	11.1	3.2	3.2	3.1	7.5	7.6	7.6	18.5	19.0	16.8	23
260.2	262.7	268.5	825.7	834.1	826.5	197.6	195.6	195.1	706.6	706.3	694.5	604.3	631.1	604.8	24
12.7	12.8	12.5	35.1	35.7	35.6	7.6	7.4	7.1	29.4	30.1	28.5	21.1	21.5	20.3	25
7.4	7.4	7.7	8.6	8.6	8.9	1.3	1.3	1.2	7.2	7.2	7.1	6.3	6.3	6.1	26
88.4	88.9	92.4	294.7	301.7	301.4	93.2	92.2	95.1	286.2	285.3	282.7	221.0	220.4	217.8	27
5.7	5.7	5.6	17.6	17.5	17.6	3.6	3.5	3.4	13.8	13.8	13.4	10.0	10.9	10.4	28
14.1	14.1	14.3	35.8	35.8	34.8	9.5	9.4	9.1	26.6	27.0	27.0	43.9	44.9	44.1	29
4.8	4.8	4.6	13.3	13.5	13.5	2.2	2.2	2.1	12.7	12.3	12.3	12.5	13.1	12.5	30
5.6	5.8	5.4	24.8	24.8	23.3	3.1	3.1	3.0	19.3	19.4	17.9	9.8	11.0	9.4	31
101.8	102.1	105.6	358.3	365.3	359.4	103.1	102.1	104.5	325.3	324.3	321.5	268.3	269.4	263.5	32
58.8	59.6	60.1	180.5	183.1	179.3	38.8	38.6	38.6	161.2	161.4	162.1	104.8	114.6	104.5	33
6.6	6.9	6.6	21.0	21.4	20.1	4.8	4.8	4.8	17.4	17.9	17.1	13.9	14.2	13.0	34
4.8	4.8	5.1	17.3	17.1	16.8	2.6	2.6	2.7	14.9	14.8	14.5	10.1	9.9	10.0	35
6.6	6.8	7.0	20.7	21.1	20.6	4.5	4.4	4.4	15.6	15.8	15.3	15.3	15.8	15.1	36
5.8	6.0	5.8	25.7	26.1	25.1	3.2	3.2	3.1	16.0	16.0	15.4	13.4	14.5	13.2	37
15.9	16.1	16.0	68.5	69.0	67.5	16.0	16.0	16.0	55.4	55.5	55.4	51.3	51.9	52.2	38
15.6	15.7	15.5	69.3	69.7	68.2	16.0	16.1	15.9	54.3	54.6	54.5	47.6	48.1	48.1	39
38.4	38.2	38.3	149.2	148.1	142.5	31.9	31.8	30.4	91.3	91.7	90.6	151.9	149.5	146.4	40
5.7	6.1	6.4	18.2	18.0	17.4	3.6	3.6	3.6	10.3	10.3	10.1	29.0	30.1	28.4	41
7.4	7.3	7.2	23.0	23.3	22.8	7.6	7.5	7.1	15.7	15.7	15.3	30.8	30.8	29.7	42
4.5	4.5	4.7	21.8	21.8	21.2	4.9	5.0	4.9	14.3	14.2	14.3	13.3	13.2	12.0	43
10.5	10.6	10.5	46.3	45.9	47.0	7.6	7.6	7.6	34.1	34.1	32.9	56.0	58.3	53.5	44
3.1	3.1	3.1	10.7	10.7	10.6	2.0	2.0	2.0	6.4	6.9	6.7	4.8	5.1	4.6	45
68.4	68.4	67.6	262.9	262.5	258.7	60.2	60.0	58.3	186.3	186.2	182.8	232.1	236.7	220.0	46
6.4	6.3	6.6	23.9	23.9	24.4	7.5	7.5	7.1	17.1	16.8	16.3	17.5	17.1	14.2	47
6.3	6.2	6.8	29.7	29.7	30.5	5.2	5.1	5.1	17.8	18.0	18.9	30.4	30.0	29.2	48
20.2	20.0	20.3	69.8	69.6	69.3	15.8	15.8	15.2	46.8	46.9	46.2	51.6	52.9	48.7	49
13.6	13.7	14.1	48.5	48.3	48.4	15.2	15.2	14.7	37.3	37.2	37.1	35.4	35.2	34.8	50
255.4	255.5	258.8	898.4	896.4	875.4	201.5	200.7	194.7	605.6	603.3	589.7	658.1	664.4	644.6	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
3.7	3.8	3.4	24.0	23.8	21.8	6.2	6.1	5.8	16.0	16.0	15.1	45.0	49.5	42.6	53
8.8	8.9	8.7	21.4	21.4	21.7	4.0	3.9	3.9	15.7	15.7	15.8	12.0	12.2	11.8	54
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		July 1971 ^p	June 1971	July 1970	July 1971 ^p	June 1971	July 1970	July 1971 ^p	June 1971	July 1970	July 1971 ^p	June 1971	July 1970
1	TEXAS (continued)												
2	Dallas	652.6	653.4	658.9	7.9	7.9	8.0	37.3	38.9	39.6	140.5	141.7	156.4
3	El Paso	101.5	103.0	105.5	-	-	-	5.1	5.0	5.9	22.8	24.4	23.6
4	Fort Worth	254.6	256.3	269.3	1.6	1.6	1.8	12.4	12.6	9.6	73.0	73.9	89.5
5	Galveston-Texas City	-	-	-	-	-	-	-	-	-	11.4	11.4	11.8
6	Houston	792.0	787.9	769.3	29.7	29.4	29.3	70.3	69.0	70.0	146.3	146.3	149.5
7	Lubbock	-	-	-	-	-	-	-	-	-	7.3	7.3	7.1
8	San Antonio	266.2	266.0	261.7	1.3	1.3	1.4	13.4	13.1	12.6	33.4	34.1	35.1
9	Waco	-	-	-	-	-	-	-	-	-	11.5	11.3	12.8
10	Wichita Falls	-	-	-	-	-	-	-	-	-	5.0	5.0	4.6
11	UTAH	358.6	367.5	358.4	8.7	12.9	13.0	17.6	17.5	16.5	54.4	55.6	56.6
12	Salt Lake City	190.4	198.5	191.3	3.0	7.6	7.9	9.9	9.6	9.3	27.9	30.1	30.0
13	VERMONT	153.1	150.4	151.7	.9	.9	1.0	11.1	10.9	11.8	37.8	38.4	40.3
14	Burlington ¹⁰	38.9	38.8	38.9	-	-	-	-	-	-	9.6	9.7	10.7
15	Springfield ¹⁰	12.3	12.1	12.7	-	-	-	-	-	-	5.1	5.1	5.5
16	VIRGINIA ³	1,499.7	1,509.1	1,468.3	16.8	16.8	15.2	105.3	102.9	103.9	359.7	359.5	362.5
17	Lynchburg	54.1	53.9	52.6	(1)	(1)	(1)	3.2	3.1	3.1	23.9	23.9	24.1
18	Newport News-Hampton	100.6	99.9	95.2	(1)	(1)	(1)	6.2	6.0	5.6	27.2	26.6	25.0
19	Norfolk-Portsmouth	202.4	203.8	201.2	(1)	(1)	(1)	14.2	13.5	14.5	19.6	19.5	20.9
20	Northern Virginia ¹¹	279.0	281.4	272.9	.4	.4	.4	22.6	21.8	22.7	10.7	10.6	10.4
21	Richmond	241.4	242.2	239.3	.2	.2	.2	16.2	15.9	16.3	49.3	49.0	51.8
22	Roanoke	85.5	84.8	83.0	.1	.1	.1	5.0	4.9	5.4	19.9	19.8	19.6
23	WASHINGTON	1,030.8	1,052.9	1,079.6	1.7	1.7	2.0	47.8	49.7	58.7	212.0	211.7	240.3
24	Seattle-Everett	469.6	483.5	515.6	(1)	(1)	(1)	18.2	20.2	26.5	101.5	102.1	126.6
25	Spokane	88.6	90.2	90.7	(1)	(1)	(1)	5.6	5.6	5.9	12.1	12.0	12.6
26	Tacoma	102.9	104.8	106.6	(1)	(1)	(1)	4.2	4.1	5.5	19.2	19.4	20.2
27	WEST VIRGINIA	527.6	521.1	518.6	52.6	52.6	48.8	31.1	30.9	30.7	123.3	123.7	126.0
28	Charleston	85.3	84.9	85.4	4.2	4.2	3.9	6.0	5.8	5.8	15.8	15.8	17.1
29	Huntington-Ashland	83.8	83.9	83.9	.6	.6	.6	4.1	4.1	4.5	26.5	26.9	27.1
30	Wheeling	60.6	60.2	58.6	5.4	5.3	4.8	3.9	3.8	3.3	15.6	15.6	15.3
31	WISCONSIN	1,540.5	1,546.4	1,551.0	2.6	2.6	3.0	60.0	59.5	69.1	486.3	480.5	512.0
32	Green Bay	55.8	55.6	55.3	(1)	(1)	(1)	1.9	2.1	2.5	18.2	17.2	17.9
33	Kenosha	35.1	35.7	35.2	(1)	(1)	(1)	1.3	1.3	1.1	15.1	15.5	16.1
34	La Crosse	30.0	30.1	29.7	(1)	(1)	(1)	.7	1.0	1.1	8.6	8.2	8.6
35	Madison	119.9	121.6	119.3	(1)	(1)	(1)	6.9	6.7	6.9	15.6	15.3	16.8
36	Milwaukee	565.8	569.8	574.3	(1)	(1)	(1)	19.5	19.2	21.7	193.9	194.3	206.6
37	Racine	51.5	54.2	55.4	(1)	(1)	(1)	1.8	1.6	1.9	20.8	23.3	24.9
38	WYOMING	118.3	115.6	114.1	12.2	11.9	11.7	9.6	8.7	7.9	6.8	6.5	7.1
39	Casper	20.0	20.2	19.5	3.3	3.2	3.6	1.9	1.7	1.1	1.5	1.6	1.6
40	Cheyenne	20.2	19.6	19.2	(1)	(1)	(1)	1.1	1.0	1.1	1.1	1.1	1.3

¹ Combined with services.
² Combined with construction.
³ Federal employment in the Maryland and Virginia sectors of the Washington Standard Metropolitan Statistical Area is included in data for the District of Columbia.
⁴ Area included in Chicago-Northwestern Indiana Standard Consolidated Area.
⁵ Revised to 1970 benchmark; not strictly comparable with previously published data.
⁶ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.
⁷ Area included in New York-Northeastern New Jersey Standard Consolidated Area.
⁸ Subarea of Rochester Standard Metropolitan Statistical Area.
⁹ Subarea of New York Standard Metropolitan Statistical Area.
¹⁰ Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.
¹¹ Subarea of Washington, D. C. Standard Metropolitan Statistical Area.

* Not available.
p = preliminary.
SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**
for States and selected areas, by industry division--Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970	
52.7	52.5	53.2	173.9	173.0	174.5	57.9	57.8	54.9	106.9	106.1	103.3	75.5	75.5	69.0	1
8.7	8.7	8.7	25.1	24.8	25.9	4.5	4.4	4.4	14.6	14.5	14.7	20.7	21.2	22.3	2
15.5	15.5	15.7	61.9	62.1	62.9	12.8	12.8	12.9	43.1	43.0	42.3	34.3	34.8	34.6	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
65.4	65.0	64.2	194.0	192.9	188.5	44.9	44.4	42.4	152.2	150.9	142.1	89.2	90.0	83.3	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
11.8	11.6	11.5	63.2	63.4	63.6	17.7	17.5	16.5	46.6	46.6	45.4	78.8	78.4	75.6	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
23.6	23.5	23.7	82.2	82.2	79.9	16.0	15.8	15.3	58.8	59.8	58.0	97.4	100.4	95.5	10
16.1	16.0	15.8	52.0	53.1	50.4	12.2	12.0	11.5	34.8	35.1	33.0	34.6	35.0	33.3	11
8.5	8.4	8.3	30.4	29.7	28.6	6.0	6.0	5.7	32.5	29.5	31.5	26.1	26.8	24.8	12
2.1	2.1	2.1	8.0	7.9	7.4	-	-	-	7.6	7.5	7.4	-	-	-	13
.7	.7	.8	2.1	2.0	2.0	-	-	-	2.0	1.8	1.9	-	-	-	14
101.5	100.6	100.0	309.9	309.8	303.6	71.8	71.0	70.0	230.3	230.0	224.0	304.4	318.5	289.1	15
2.6	2.6	2.6	9.2	9.1	8.5	2.3	2.3	2.2	6.8	6.8	6.5	6.1	6.1	5.6	16
4.3	4.4	4.3	16.5	16.4	16.1	3.0	3.0	3.0	13.4	13.1	12.6	30.0	30.4	28.6	17
15.9	16.3	16.7	49.3	48.9	48.8	9.7	9.6	9.9	33.0	33.0	32.1	60.7	63.0	58.3	18
21.9	21.7	21.7	64.6	64.7	62.3	17.0	16.8	16.6	49.8	50.2	49.0	92.0	95.2	89.8	19
18.7	18.8	18.8	53.4	53.4	53.3	19.2	19.2	18.9	36.3	36.4	35.6	48.1	49.3	44.4	20
11.1	11.1	11.5	19.3	19.2	19.1	4.1	4.1	4.2	14.0	13.9	13.4	12.0	11.7	9.7	21
67.8	70.8	73.8	232.8	231.6	241.6	57.9	57.8	59.1	171.8	171.9	172.3	239.0	257.7	231.8	22
37.6	38.5	39.4	108.2	108.7	116.9	34.5	34.5	35.9	80.8	81.9	83.2	88.8	97.6	87.1	23
7.3	7.3	7.7	22.9	23.0	23.7	5.5	5.6	5.3	18.1	18.3	18.5	17.1	18.4	17.0	24
6.0	6.3	7.0	22.4	22.5	22.8	6.1	6.1	6.1	18.5	19.1	18.8	26.5	27.3	26.4	25
42.2	42.2	42.5	90.9	90.9	91.5	16.2	16.2	15.9	69.0	67.8	67.8	102.3	97.0	95.4	26
9.1	9.1	9.2	19.5	19.4	18.9	4.0	4.0	4.0	12.9	13.0	13.2	13.8	13.6	13.4	27
8.4	8.4	8.5	17.8	17.9	17.8	3.0	3.0	3.0	10.6	10.6	10.7	12.7	12.5	11.7	28
3.9	3.9	3.9	12.6	12.6	12.4	2.2	2.2	2.2	10.2	10.2	9.9	6.9	6.5	6.8	29
80.4	83.0	81.0	338.4	340.9	331.4	64.3	63.5	62.5	243.9	242.3	234.5	264.6	274.1	257.4	30
4.8	4.8	4.6	13.7	13.8	13.7	1.6	1.6	1.5	8.4	8.4	8.4	7.1	7.7	6.8	31
1.3	1.3	1.2	7.0	6.9	6.7	.7	.7	.7	4.9	5.0	4.8	4.7	5.1	4.5	32
2.2	2.2	2.2	7.4	7.4	7.2	.6	.6	.6	6.1	6.1	5.8	4.4	4.5	4.2	33
5.8	5.8	5.6	24.3	24.8	24.0	6.6	6.6	6.4	19.0	19.0	18.1	41.7	43.3	41.7	34
30.5	32.0	31.7	122.9	124.9	121.9	29.7	29.6	29.1	92.4	91.9	91.3	76.9	77.9	72.0	35
1.9	2.0	1.9	10.2	9.8	10.0	1.5	1.5	1.5	8.3	8.4	8.0	7.2	7.6	7.1	36
11.5	11.4	11.2	24.9	24.2	23.6	3.8	3.8	3.7	19.0	18.1	19.3	30.5	31.0	29.6	37
1.6	1.6	1.5	4.9	4.9	4.6	.9	.9	.9	2.4	2.4	2.6	3.5	3.9	3.6	38
2.4	2.4	2.4	5.0	4.5	4.1	1.0	1.0	1.0	3.9	3.6	3.7	5.7	6.0	5.6	39

ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGSC-1: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, 1947 to date

Year and month	Average			Average			Average			Average		
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings
	Total private ¹			Mining			Contract construction			Manufacturing		
1947.....	\$45.58	40.3	\$1.131	\$59.94	40.8	\$1.469	\$58.87	38.2	\$1.541	\$49.17	40.4	\$1.217
1948.....	49.00	40.0	1.225	65.56	39.4	1.664	65.27	38.1	1.713	53.12	40.0	1.328
1949.....	50.24	39.4	1.275	62.33	36.3	1.717	67.56	37.7	1.792	53.88	39.1	1.378
1950.....	53.13	39.8	1.335	67.16	37.9	1.772	69.68	37.4	1.863	58.32	40.5	1.440
1951.....	57.86	39.9	1.45	74.11	38.4	1.93	76.96	38.1	2.02	63.34	40.6	1.56
1952.....	60.65	39.9	1.52	77.59	38.6	2.01	82.86	38.9	2.13	67.16	40.7	1.65
1953.....	63.76	39.6	1.61	83.03	38.8	2.14	86.41	37.9	2.28	70.47	40.5	1.74
1954.....	64.52	39.1	1.65	82.60	38.6	2.14	88.91	37.2	2.39	70.49	39.6	1.78
1955.....	67.72	39.6	1.71	89.54	40.7	2.20	90.90	37.1	2.45	75.70	40.7	1.86
1956.....	70.74	39.3	1.80	95.06	40.8	2.33	96.38	37.5	2.57	78.78	40.4	1.95
1957.....	73.33	38.8	1.89	98.65	40.1	2.46	100.27	37.0	2.71	81.59	39.8	2.05
1958.....	75.08	38.5	1.95	96.08	38.9	2.47	103.78	36.8	2.82	82.71	39.2	2.11
1959 ²	78.78	39.0	2.02	103.68	40.5	2.56	108.41	37.0	2.93	88.26	40.3	2.19
1960.....	80.67	38.6	2.09	105.44	40.4	2.61	113.04	36.7	3.08	89.72	39.7	2.26
1961.....	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32
1962.....	85.91	38.7	2.22	110.43	40.9	2.70	122.47	37.0	3.31	96.56	40.4	2.39
1963.....	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.63	40.5	2.46
1964.....	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53
1965.....	95.06	38.8	2.45	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61
1966.....	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.34	41.3	2.72
1967.....	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.90	40.6	2.83
1968.....	107.73	37.8	2.85	142.71	42.6	3.35	164.93	37.4	4.41	122.51	40.7	3.01
1969.....	114.61	37.7	3.04	155.23	43.0	3.61	181.54	37.9	4.79	129.51	40.6	3.19
1970.....	119.46	37.1	3.22	163.97	42.7	3.84	196.35	37.4	5.25	133.73	39.8	3.36
1970: August.....	122.20	37.6	3.25	163.58	42.6	3.84	204.82	38.5	5.32	134.13	39.8	3.37
1970: September.....	121.73	37.0	3.29	164.55	42.3	3.89	194.76	36.2	5.38	135.43	39.6	3.42
1970: October.....	121.03	36.9	3.28	168.56	43.0	3.92	204.54	37.6	5.44	133.45	39.6	3.37
1970: November.....	121.07	36.8	3.29	169.52	42.7	3.97	197.65	36.2	5.46	134.58	39.7	3.39
1970: December.....	122.43	37.1	3.30	170.28	43.0	3.96	204.20	37.4	5.46	138.45	39.9	3.47
1971: January.....	121.88	36.6	3.33	168.75	42.4	3.98	199.08	36.0	5.53	138.60	39.6	3.50
1971: February.....	122.28	36.5	3.35	167.60	41.9	4.00	197.38	35.5	5.56	138.29	39.4	3.51
1971: March.....	123.31	36.7	3.36	168.82	42.1	4.01	205.53	37.1	5.54	139.74	39.7	3.52
1971: April.....	124.05	36.7	3.38	170.89	42.3	4.04	205.35	37.0	5.55	139.83	39.5	3.54
1971: May.....	125.49	36.8	3.41	171.30	42.4	4.04	209.05	37.0	5.65	142.00	40.0	3.55
1971: June.....	127.22	37.2	3.42	172.10	42.6	4.04	213.94	38.0	5.63	143.51	40.2	3.57
1971: July P.....	127.57	37.3	3.42	172.53	42.6	4.05	216.79	38.1	5.69	142.09	39.8	3.57
1971: August P.....	129.00	37.5	3.44	172.99	42.4	4.08	220.80	38.4	5.74	142.44	39.9	3.57
Year and month	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services		
1947.....	-	-	-	\$38.07	40.5	\$0.940	\$43.21	37.9	\$1.140	-	-	-
1948.....	-	-	-	40.80	40.4	1.010	45.48	37.9	1.200	-	-	-
1949.....	-	-	-	42.93	40.5	1.060	47.63	37.8	1.260	-	-	-
1950.....	-	-	-	44.55	40.5	1.00	50.52	37.7	1.340	-	-	-
1951.....	-	-	-	47.79	40.5	1.18	54.67	37.7	1.45	-	-	-
1952.....	-	-	-	49.20	40.0	1.23	57.08	37.8	1.51	-	-	-
1953.....	-	-	-	51.35	39.5	1.30	59.57	37.7	1.58	-	-	-
1954.....	-	-	-	53.33	39.5	1.35	62.04	37.6	1.65	-	-	-
1955.....	-	-	-	55.16	39.4	1.40	63.92	37.6	1.70	-	-	-
1956.....	-	-	-	57.48	39.1	1.47	65.68	36.9	1.78	-	-	-
1957.....	-	-	-	59.60	38.7	1.54	67.53	36.7	1.84	-	-	-
1958.....	-	-	-	61.76	38.6	1.60	70.12	37.1	1.89	-	-	-
1959 ²	-	-	-	64.41	38.8	1.66	72.74	37.3	1.95	-	-	-
1960.....	-	-	-	66.01	38.6	1.71	75.14	37.2	2.02	-	-	-
1961.....	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-
1962.....	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-
1963.....	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-
1964.....	\$118.37	41.1	\$2.88	74.28	37.9	1.96	85.79	37.3	2.30	\$69.84	36.0	\$1.94
1965.....	125.14	41.3	3.03	76.53	37.7	2.03	88.91	37.2	2.39	73.60	35.9	2.05
1966.....	128.13	41.2	3.11	79.02	37.1	2.13	92.13	37.3	2.47	77.04	35.5	2.17
1967.....	131.22	40.5	3.24	81.76	36.5	2.24	95.46	37.0	2.58	80.38	35.1	2.29
1968.....	138.85	40.6	3.42	86.40	36.0	2.40	101.75	37.0	2.75	84.32	34.7	2.43
1969.....	148.15	40.7	3.64	91.14	35.6	2.56	108.70	37.1	2.93	90.57	34.7	2.61
1970.....	155.93	40.5	3.85	95.66	35.3	2.71	113.34	36.8	3.08	96.66	34.4	2.81
1970: August.....	158.34	40.6	3.90	98.46	36.2	2.72	113.65	36.9	3.08	98.70	35.0	2.82
1970: September.....	160.36	40.7	3.94	97.08	35.3	2.75	113.46	36.6	3.10	98.78	34.3	2.88
1970: October.....	159.18	40.4	3.94	96.60	35.0	2.76	115.18	36.8	3.13	98.50	34.2	2.88
1970: November.....	160.38	40.5	3.96	96.67	34.9	2.77	115.92	36.8	3.15	99.18	34.2	2.90
1970: December.....	161.20	40.4	3.99	97.08	35.3	2.75	115.61	36.7	3.15	99.81	34.3	2.91
1971: January.....	159.20	39.8	4.00	97.51	34.7	2.81	117.07	36.7	3.19	99.62	34.0	2.93
1971: February.....	162.00	40.1	4.04	97.92	34.6	2.83	119.23	36.8	3.24	100.30	34.0	2.95
1971: March.....	161.60	40.1	4.03	98.55	34.7	2.84	119.56	36.9	3.24	100.30	34.0	2.95
1971: April.....	162.41	40.1	4.05	99.18	34.8	2.85	120.29	36.9	3.26	100.64	34.0	2.96
1971: May.....	164.42	40.3	4.08	99.88	34.8	2.87	121.77	36.9	3.30	101.02	33.9	2.98
1971: June.....	166.87	40.7	4.10	101.60	35.4	2.87	121.36	37.0	3.28	101.57	34.2	2.97
1971: July P.....	163.49	39.3	4.16	103.61	36.1	2.87	122.06	37.1	3.29	103.36	34.8	2.97
1971: August P.....	169.71	40.6	4.18	103.61	36.1	2.87	123.13	37.2	3.31	104.05	34.8	2.97

¹ For coverage of series, see footnote 1, table B-2.² Data include Alaska and Hawaii 1959.

p preliminary

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1971 P	July 1971 P	June 1971	Aug. 1970	July 1970	Aug. 1971 P	July 1971 P	June 1971	Aug. 1970	July 1970
	TOTAL PRIVATE	\$129.00	\$127.57	\$127.22	\$122.20	\$121.45	\$3.44	\$3.42	\$3.42	\$3.25	\$3.23
	MINING	172.99	172.53	172.10	163.58	163.50	4.08	4.05	4.04	3.84	3.82
10	METAL MINING.....	-	163.99	172.89	166.18	166.96	-	3.99	4.03	3.91	3.91
101	Iron ores.....	-	172.06	172.53	168.30	160.55	-	4.02	4.05	3.96	3.85
102	Copper ores.....	-	164.39	176.88	173.41	182.66	-	3.99	4.02	3.95	4.05
11,12	COAL MINING.....	-	191.43	192.85	179.82	177.24	-	(*)	4.75	4.44	(*)
12	Bituminous coal and lignite mining...	-	193.84	194.40	181.44	178.85	-	(*)	4.80	4.48	(*)
13	OIL AND GAS EXTRACTION.....	-	160.93	157.45	152.64	154.30	-	3.76	3.74	3.60	3.58
131,2	Crude petroleum and natural gas fields.	-	173.05	168.09	156.72	156.67	-	4.19	4.13	3.86	3.84
138	Oil and gas field services.....	-	152.68	149.56	149.02	152.77	-	3.47	3.47	3.41	3.41
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	173.07	171.59	160.86	161.35	-	3.73	3.69	3.52	3.50
142	Crushed and broken stone.....	-	174.36	173.88	161.58	161.77	-	3.64	3.63	3.46	3.42
	CONTRACT CONSTRUCTION	220.80	216.79	213.94	204.82	200.45	5.75	5.69	5.63	5.32	5.22
15	GENERAL BUILDING CONTRACTORS.	-	201.12	197.47	191.66	189.35	-	5.51	5.44	5.18	5.09
16	HEAVY CONSTRUCTION CONTRACTORS.	-	220.94	215.39	214.21	208.12	-	5.15	5.08	4.97	4.84
161	Highway and street construction....	-	217.69	210.33	207.10	201.43	-	4.97	4.88	4.75	4.62
162	Heavy construction, n.e.c.....	-	224.28	220.18	221.00	215.31	-	5.34	5.28	5.20	5.09
17	SPECIAL TRADE CONTRACTORS.....	-	224.11	222.88	208.13	204.43	-	6.09	6.04	5.61	5.54
171	Plumbing, heating, air conditioning...	-	233.84	234.40	217.93	215.84	-	6.17	6.12	5.75	5.68
172	Painting, paper hanging, decorating...	-	196.21	194.86	183.05	179.74	-	5.59	5.52	5.23	5.15
173	Electrical work.....	-	250.99	252.29	237.77	235.59	-	6.64	6.57	6.05	6.01
174	Masonry, stonework, and plastering...	-	207.41	205.02	187.14	186.79	-	5.96	5.96	5.44	5.43
176	Roofing and sheetmetal work.....	-	183.20	181.07	174.50	168.30	-	5.31	5.31	5.00	4.85
-	MANUFACTURING ...	142.44	142.09	143.51	134.13	134.46	3.57	3.57	3.57	3.37	3.37
19,24,25,32-39	DURABLE GOODS...	153.14	151.58	155.04	143.92	143.87	3.80	3.78	3.80	3.58	3.57
20-23,26-31	NONDURABLE GOODS...	129.17	128.90	128.44	121.04	121.44	3.27	3.28	3.26	3.08	3.09
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES.....	165.42	160.66	160.93	145.93	143.28	3.92	3.89	3.85	3.63	3.60
192	Ammunition, except for small arms...	(*)	157.73	157.21	141.77	141.29	(*)	3.81	3.77	3.58	3.55
1925	Complete guided missiles.....	-	189.22	186.19	176.40	171.40	-	4.33	4.29	4.21	4.13
1929	Ammunition, exc. for small arms, nec	-	132.33	134.13	122.88	124.87	-	3.35	3.32	3.20	3.21
24	LUMBER AND WOOD PRODUCTS.....	130.15	127.43	129.65	122.00	118.01	3.19	3.17	3.17	3.05	2.98
242	Sawmills and planing mills.....	127.82	122.72	124.75	116.61	113.94	3.08	3.03	3.05	2.93	2.87
2421	Sawmills and planing mills, general.	-	126.98	129.47	120.20	117.81	-	3.12	3.15	3.02	2.96
243	Millwork, plywood & related products.	139.10	135.53	136.78	127.52	125.60	3.36	3.33	3.32	3.18	3.14
2431	Millwork.....	-	130.49	131.14	123.86	120.96	-	3.23	3.23	3.12	3.07
2432	Veneer and plywood.....	-	135.68	140.37	129.83	127.58	-	3.35	3.35	3.19	3.15
244	Wooden containers.....	(*)	98.39	99.14	95.87	94.82	(*)	2.51	2.46	2.49	2.45
2441,2	Wooden boxes, shooks, and crates...	-	95.65	97.69	95.10	93.56	-	2.44	2.43	2.47	2.43
249	Miscellaneous wood products.....	110.97	110.95	111.66	106.60	105.30	2.74	2.76	2.73	2.60	2.60
25	FURNITURE AND FIXTURES.....	121.25	115.53	116.29	111.00	107.86	2.95	2.91	2.90	2.81	2.78
251	Household furniture.....	(*)	108.23	109.87	103.10	99.84	(*)	2.74	2.74	2.63	2.60
2511	Wood household furniture.....	-	103.31	105.11	96.43	93.80	-	2.57	2.57	2.46	2.43
2512	Upholstered household furniture....	-	111.74	115.25	109.13	105.74	-	2.91	2.94	2.82	2.79
2515	Mattresses and bedsprings.....	-	120.96	122.09	117.05	111.74	-	3.07	3.06	2.89	2.88
252	Office furniture.....	-	139.67	139.59	125.14	121.52	-	3.39	3.38	3.16	3.14
254	Partitions and fixtures.....	-	143.92	140.89	143.38	140.01	-	3.58	3.54	3.48	3.44
253,9	Other furniture and fixtures.....	(*)	123.95	121.21	119.30	118.01	(*)	3.13	3.10	2.99	2.98
32	STONE, CLAY, AND GLASS PRODUCTS..	157.78	155.82	155.24	142.35	141.25	3.73	3.71	3.67	3.43	3.42
321	Flat glass.....	-	190.57	196.17	188.35	181.48	-	4.57	4.52	4.32	4.27
322	Glass and glassware, pressed or blown	151.90	154.60	152.28	138.00	137.71	3.76	3.78	3.76	3.45	3.46
3221	Glass containers.....	-	162.66	160.31	143.67	143.07	-	3.91	3.91	3.53	3.55
3229	Pressed and blown glass, n.e.c.....	-	141.73	140.14	129.54	129.81	-	3.57	3.53	3.33	3.32
324	Cement, hydraulic.....	197.60	199.92	195.25	178.45	179.33	4.75	4.76	4.66	4.30	4.28
325	Structural clay products.....	121.69	120.58	121.77	113.77	113.48	2.99	2.97	2.97	2.83	2.83
3251	Brick and structural clay tile.....	-	117.88	116.90	108.94	107.87	-	2.80	2.79	2.67	2.67
326	Pottery and related products.....	-	128.37	128.51	117.04	118.89	-	3.30	3.27	3.04	3.08
327	Concrete, gypsum, and plaster products.....	(*)	169.79	169.50	155.76	151.99	(*)	3.79	3.75	3.54	3.47
328,9	Other stone and nonmetallic mineral products.....	153.30	148.51	150.33	139.74	137.23	3.65	3.64	3.64	3.40	3.38
3291	Abrasive products.....	-	141.37	140.93	128.37	128.31	-	3.74	3.67	3.46	3.44

See footnotes at end of table.

C-2: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry--Continued

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1971 ^P	July ^P 1971	June 1971	Aug. 1970	July 1970	Aug. 1971 ^P	July ^P 1971	June 1971	Aug. 1970	July 1970
-	TOTAL PRIVATE	37.5	37.3	37.2	37.6	37.6	-	-	-	-	-
	MINING	42.4	42.6	42.6	42.6	42.8	-	-	-	-	-
10	METAL MINING	-	41.1	42.9	42.5	42.7	-	-	-	-	-
101	Iron ores	-	42.8	42.6	42.5	41.7	-	-	-	-	-
102	Copper ores	-	41.2	44.0	43.9	45.1	-	-	-	-	-
11,12	COAL MINING	-	(*)	40.6	40.5	(*)	-	-	-	-	-
12	Bituminous coal and lignite mining	-	(*)	40.5	40.5	(*)	-	-	-	-	-
13	OIL AND GAS EXTRACTION	-	42.8	42.1	42.4	43.1	-	-	-	-	-
131,2	Crude petroleum and natural gas fields	-	41.3	40.7	40.6	40.8	-	-	-	-	-
138	Oil and gas field services	-	44.0	43.1	43.7	44.8	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	46.4	46.5	45.7	46.1	-	-	-	-	-
142	Crushed and broken stone	-	47.9	47.9	46.7	47.3	-	-	-	-	-
-	CONTRACT CONSTRUCTION	38.4	38.1	38.0	38.5	38.4	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	-	36.5	36.3	37.0	37.2	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	-	42.9	42.4	43.1	43.0	-	-	-	-	-
161	Highway and street construction	-	43.8	43.1	43.6	43.6	-	-	-	-	-
162	Heavy construction, n e c	-	42.0	41.7	42.5	42.3	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	-	36.8	36.9	37.1	36.9	-	-	-	-	-
171	Plumbing, heating, air conditioning	-	37.9	38.3	37.9	38.0	-	-	-	-	-
172	Painting, paper hanging, decorating	-	35.1	35.3	35.0	34.9	-	-	-	-	-
173	Electrical work	-	37.8	38.4	39.3	39.2	-	-	-	-	-
174	Masonry, stonework, and plastering	-	34.8	34.4	34.4	34.4	-	-	-	-	-
176	Roofing and sheet metal work	-	34.5	34.1	34.9	34.7	-	-	-	-	-
-	MANUFACTURING	39.9	39.8	40.2	39.8	39.9	2.9	2.8	3.0	3.0	2.9
19,24,25,32-39	DURABLE GOODS	40.3	40.1	40.8	40.2	40.3	2.8	2.7	3.0	2.9	2.9
20-23,26-31	NONDURABLE GOODS	39.5	39.3	39.4	39.3	39.3	3.0	3.0	3.1	3.1	2.9
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	42.2	41.3	41.8	40.2	39.8	2.2	2.5	2.4	2.1	
192	Ammunition, except for small arms	(*)	41.4	41.7	39.6	39.8	1.8	2.3	1.9	1.7	
1925	Complete guided missiles	-	43.7	43.4	41.9	41.5	-	-	-	-	
1929	Ammunition, exc. for small arms, nec	-	39.5	40.4	38.4	38.9	-	-	-	-	
24	LUMBER AND WOOD PRODUCTS	40.8	40.2	40.9	40.0	39.6	3.6	3.7	3.5	3.2	
242	Sawmills and planing mills	41.5	40.5	40.9	39.8	39.7	4.0	3.9	3.8	3.4	
2421	Sawmills and planing mills, general	-	40.7	41.1	39.8	39.8	-	-	-	-	
243	Millwork, plywood & related products	41.4	40.7	41.2	40.1	40.0	3.6	3.7	3.3	3.1	
2431	Millwork	-	40.4	40.6	39.7	39.4	-	-	-	-	
2432	Veneer and plywood	-	40.5	41.9	40.7	40.5	-	-	-	-	
244	Wooden containers	(*)	39.2	40.3	38.5	38.7	3.1	3.3	2.6	2.4	
2441,2	Wooden boxes, shooks, and crates	-	39.2	40.2	38.5	38.5	-	-	-	-	
249	Miscellaneous wood products	40.5	40.2	40.9	41.0	40.5	3.3	3.4	3.3	3.1	
25	FURNITURE AND FIXTURES	41.1	39.7	40.1	39.5	38.8	2.4	2.6	2.4	2.1	
251	Household furniture	(*)	39.5	40.1	39.2	38.4	2.3	2.6	2.1	2.0	
2511	Wood household furniture	-	40.2	40.9	39.2	38.6	2.5	3.1	2.2	2.0	
2512	Upholstered household furniture	-	38.4	39.2	38.7	37.9	-	-	-	-	
2515	Mattresses and bedsprings	-	39.4	39.9	40.5	38.8	-	-	-	-	
252	Office furniture	-	41.2	41.3	39.6	38.7	3.4	3.4	3.1	2.5	
254	Partitions and fixtures	-	40.2	39.8	41.2	40.7	2.8	2.3	3.7	2.8	
253,9	Other furniture and fixtures	(*)	39.6	39.1	39.9	39.6	2.1	1.9	2.4	2.4	
32	STONE, CLAY, AND GLASS PRODUCTS	42.3	42.0	42.3	41.5	41.3	4.7	4.9	4.5	4.4	
321	Flat glass	-	41.7	43.4	43.6	42.5	4.1	4.0	4.9	4.4	
322	Glass and glassware, pressed or blown	40.4	40.9	40.5	40.0	39.8	4.3	4.5	4.1	4.3	
3221	Glass containers	-	41.6	41.0	40.7	40.3	-	-	-	-	
3229	Pressed and blown glass, n e c	-	39.7	39.7	38.9	39.1	3.1	3.5	2.2	2.8	
324	Cement, hydraulic	41.6	42.0	41.9	41.5	41.9	3.2	3.3	3.0	2.9	
325	Structural clay products	40.7	40.6	41.0	40.2	40.1	4.0	4.0	3.5	3.5	
3251	Brick and structural clay tile	-	42.1	41.9	40.8	40.4	-	-	-	-	
326	Pottery and related products	-	38.9	39.3	38.5	38.6	1.9	2.0	2.1	1.7	
327	Concrete, gypsum and plaster products	(*)	44.8	45.2	44.0	43.8	7.0	7.4	6.7	6.5	
328,9	Other stone and nonmetallic mineral products	42.0	40.8	41.3	41.1	40.6	3.5	3.6	3.6	3.2	
3291	Abrasive products	-	37.8	38.4	37.1	37.3	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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**C-2: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970	Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970
	<i>Durable Goods--Continued</i>										
33	PRIMARY METAL INDUSTRIES	\$170.71	\$169.71	\$173.87	\$160.79	\$159.96	\$4.30	\$4.18	\$4.21	\$3.98	\$3.94
331	Blast furnace and basic steel products ..	(*)	176.23	183.46	170.89	168.09	(*)	4.33	4.41	4.23	4.13
3312	Blast furnaces and steel mills	-	177.39	185.47	173.29	170.53	-	4.38	4.48	4.30	4.19
332	Iron and steel foundries	(*)	163.22	162.81	148.37	153.82	(*)	4.05	4.01	3.70	3.77
3321	Gray iron foundries	-	165.24	164.42	144.91	152.31	-	4.07	4.03	3.65	3.77
3322	Malleable iron foundries	-	173.63	173.69	170.10	165.57	-	4.33	4.31	4.20	4.16
3323	Steel foundries	-	154.43	155.54	147.78	152.82	-	3.89	3.85	3.64	3.63
333,4	Nonferrous metals	168.51	168.10	166.01	159.68	159.33	4.11	4.11	4.01	3.82	3.83
3334	Primary aluminum	-	182.74	180.80	168.91	170.96	-	4.58	4.52	4.15	4.18
335	Nonferrous rolling and drawing	162.78	163.98	164.69	150.18	149.78	3.98	3.98	3.94	3.69	3.68
3351	Copper rolling and drawing	-	170.74	174.40	144.60	148.37	-	3.98	4.00	3.67	3.70
3352	Aluminum rolling and drawing	-	171.38	164.43	153.34	153.38	-	4.18	4.07	3.74	3.75
3357	Nonferrous wire drawing and insulating ..	-	156.70	160.09	150.38	148.06	-	3.85	3.83	3.65	3.62
336	Nonferrous foundries	146.89	145.33	147.57	137.55	136.85	3.70	3.67	3.68	3.50	3.50
3361	Aluminum castings	-	145.49	151.13	137.24	136.64	-	3.74	3.75	3.51	3.54
3362,9	Other nonferrous castings	-	145.44	143.64	138.16	137.02	-	3.60	3.60	3.48	3.46
339	Miscellaneous primary metal products ...	(*)	173.21	181.08	165.13	161.52	(*)	4.43	4.46	4.17	4.11
3391	Iron and steel forgings	-	178.87	188.20	170.56	165.33	-	4.61	4.67	4.34	4.25
34	FABRICATED METAL PRODUCTS	151.07	150.32	153.38	144.89	144.79	3.73	3.73	3.75	3.56	3.54
341	Metal cans	(*)	203.85	198.01	175.24	183.06	(*)	4.54	4.49	4.01	4.05
342	Cutlery, hand tools, and hardware	140.89	139.79	142.44	134.00	129.63	3.54	3.53	3.57	3.35	3.29
3421,3,5	Cutlery and hand tools, incl. saws	-	136.62	137.31	127.73	127.01	-	3.45	3.45	3.25	3.24
3429	Hardware, n e c	-	142.13	146.00	138.92	131.47	-	3.58	3.65	3.43	3.32
343	Plumbing and heating, except electric ...	(*)	138.00	138.23	131.27	129.89	(*)	3.45	3.43	3.29	3.28
3431,2	Sanitary ware & plumbers' brass goods ..	-	139.25	140.13	129.36	129.93	-	3.49	3.46	3.30	3.34
3433	Heating equipment, except electric	-	136.68	137.08	133.25	129.44	-	3.40	3.41	3.29	3.22
344	Fabricated structural metal products	149.11	149.85	151.29	144.18	142.56	3.70	3.70	3.69	3.56	3.52
3441	Fabricated structural steel	-	157.66	157.54	147.50	146.50	-	3.79	3.76	3.58	3.53
3442	Metal doors, sash, and trim	-	125.33	125.64	118.17	117.51	-	3.11	3.11	3.03	2.99
3443	Fabricated plate work (boiler shops) ..	-	152.09	159.06	152.93	150.22	-	3.87	3.87	3.73	3.70
3444	Sheet metal work	-	162.39	161.19	150.05	149.23	-	3.99	3.98	3.77	3.74
3446,9	Architectural and misc. metal work ...	-	144.02	141.50	138.51	137.63	-	3.53	3.52	3.42	3.39
345	Screw machine products, bolts, etc.	150.69	147.60	150.14	143.62	140.54	3.73	3.69	3.68	3.52	3.47
3451	Screw machine products	-	144.87	148.06	141.51	138.11	-	3.64	3.62	3.46	3.41
3452	Bolts, nuts, rivets, and washers	-	149.97	152.59	145.71	142.97	-	3.74	3.74	3.58	3.53
346	Metal stampings	153.66	158.80	169.33	162.21	169.38	3.94	4.00	4.10	3.89	3.93
347	Metal services, n e c	128.51	127.49	131.93	123.72	124.74	3.27	3.32	3.34	3.14	3.15
348	Misc. fabricated wire products	(*)	134.74	134.46	127.76	125.85	(*)	3.36	3.32	3.21	3.17
349	Misc. fabricated metal products	145.36	146.83	148.30	140.30	138.05	3.68	3.68	3.68	3.49	3.46
3494,8	Valves, pipe, and pipe fittings	-	147.73	150.75	142.76	140.58	-	3.74	3.75	3.56	3.55
35	MACHINERY, EXCEPT ELECTRICAL	163.22	161.20	162.39	152.31	153.06	4.03	4.00	3.99	3.77	3.77
351	Engines and turbines	(*)	181.93	178.85	168.42	164.76	(*)	4.47	4.46	4.20	4.15
3511	Steam engines and turbines	-	195.94	193.64	176.99	173.72	-	4.71	4.70	4.37	4.30
3519	Internal combustion engines, n e c	-	175.31	171.86	163.99	159.95	-	4.35	4.34	4.11	4.07
352	Farm machinery	-	157.99	163.62	146.59	146.59	-	4.01	4.05	3.73	3.73
353	Construction and related machinery	155.63	157.21	160.39	151.88	151.13	3.94	3.96	3.97	3.75	3.75
3531,2	Construction and mining machinery	-	163.18	168.50	157.92	157.14	-	4.10	4.14	3.88	3.88
3533	Oil field machinery	-	152.52	155.12	143.62	142.74	-	3.72	3.72	3.52	3.49
3535,6	Conveyors, hoists, cranes, monorails ..	-	153.60	149.69	147.17	146.43	-	3.84	3.78	3.67	3.67
3537	Industrial trucks and tractors	-	136.52	139.83	131.33	128.22	-	3.67	3.67	3.42	3.41
354	Metal working machinery	173.40	173.34	172.55	166.87	172.21	4.25	4.28	4.25	4.07	4.11
3541	Machine tools, metal cutting types	-	162.18	160.68	164.42	164.43	-	4.18	4.12	4.02	4.04
3544	Special dies, tools, jigs & fixtures	-	190.61	191.10	183.10	193.14	-	4.56	4.55	4.37	4.44
3545	Machine tool accessories	-	164.80	157.18	150.50	153.16	-	4.12	4.02	3.81	3.81
3542,8	Misc. metal working machinery	-	157.21	159.18	152.63	155.70	-	3.95	3.94	3.75	3.77
355	Special industry machinery	151.60	150.82	152.63	146.47	145.71	3.79	3.78	3.75	3.59	3.58
3551	Food products machinery	-	155.61	155.60	151.03	148.37	-	3.90	3.89	3.72	3.70
3552	Textile machinery	-	121.16	128.15	125.55	125.26	-	3.18	3.18	3.10	3.07
3555	Printing trades machinery	-	173.83	175.56	161.05	160.66	-	4.25	4.18	3.89	3.89
356	General industrial machinery	162.41	160.00	161.20	149.60	149.97	4.02	4.00	3.99	3.74	3.74
3561	Pumps and compressors	-	156.39	159.06	149.69	148.51	-	3.90	3.87	3.66	3.64
3562	Ball and roller bearings	-	167.66	165.59	148.61	149.77	-	4.15	4.15	3.86	3.87
3564	Blowers and fans	-	148.27	155.17	143.18	143.59	-	3.67	3.73	3.45	3.46
3566	Power transmission equipment	-	159.19	159.60	151.47	153.03	-	4.02	4.00	3.74	3.76
357	Office and computing machines	(*)	164.74	164.69	151.44	147.90	(*)	3.96	3.94	3.73	3.67
3573	Electronic computing equipment	-	175.01	175.74	154.88	153.18	-	4.07	4.04	3.75	3.70
358	Service industry machines	(*)	147.94	145.52	133.91	137.14	(*)	3.68	3.62	3.39	3.42
3585	Refrigeration machinery	-	151.47	148.34	135.09	139.78	-	3.74	3.69	3.42	3.46
359	Misc. machinery, except electrical	161.50	157.49	160.63	150.06	150.79	3.92	3.86	3.88	3.66	3.66

See footnotes at end of table.

C-2: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry--Continued

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970	Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970
	<i>Durable Goods--Continued</i>										
33	PRIMARY METAL INDUSTRIES	39.7	40.6	41.3	40.4	40.6	2.8	3.4	3.0	3.0	
331	Blast furnace and basic steel products	(*)	40.7	41.6	40.4	40.7	2.4	3.2	2.5	2.5	
3312	Blast furnaces and steel mills	-	40.5	41.4	40.3	40.7	2.3	3.1	2.4	2.4	
332	Iron and steel foundries	(*)	40.3	40.6	40.1	40.8	3.4	3.5	3.6	4.0	
3321	Gray iron foundries	-	40.6	40.8	39.7	40.4	3.8	3.8	3.4	4.1	
3322	Malleable iron foundries	-	40.1	40.3	40.5	39.8	-	-	-	-	
3323	Steel foundries	-	39.7	40.4	40.6	42.1	2.4	2.8	3.7	3.9	
333,4	Nonferrous metals	41.0	40.9	41.4	41.8	41.6	3.6	4.0	4.3	4.2	
3334	Primary aluminum	-	39.9	40.0	40.7	40.9	-	-	-	-	
335	Nonferrous rolling and drawing	40.9	41.2	41.8	40.7	40.7	3.5	4.1	3.4	3.2	
3351	Copper rolling and drawing	-	42.9	43.6	39.4	40.1	-	-	-	-	
3352	Aluminum rolling and drawing	-	41.0	40.4	41.0	40.9	4.0	4.0	3.2	3.1	
3357	Nonferrous wire drawing and insulating	-	40.7	41.8	41.2	40.9	2.8	3.8	4.1	3.8	
336	Nonferrous foundries	39.7	39.6	40.1	39.3	39.1	2.2	2.7	2.3	2.3	
3361	Aluminum castings	-	38.9	40.3	39.1	38.6	-	-	-	-	
3362,9	Other nonferrous castings	-	40.4	39.9	39.7	39.6	-	-	-	-	
339	Miscellaneous primary metal products	(*)	39.1	40.6	39.6	39.3	2.5	3.4	3.0	2.7	
3391	Iron and steel forgings	-	38.8	40.3	39.3	38.9	-	-	-	-	
34	FABRICATED METAL PRODUCTS	40.5	40.3	40.9	40.7	40.9	2.9	3.1	3.4	3.5	
341	Metal cans	(*)	44.9	44.1	43.7	45.2	6.0	4.6	5.0	6.1	
342	Cutlery, hand tools, and hardware	39.8	39.6	39.9	40.0	39.4	1.9	2.3	2.5	2.1	
3421,3,5	Cutlery and hand tools, incl. saws	-	39.6	39.8	39.3	39.2	-	-	-	-	
3429	Hardware, n e c	-	39.7	40.0	40.5	39.6	-	-	-	-	
343	Plumbing and heating, except electric	(*)	40.0	40.3	39.9	39.6	2.7	2.7	2.5	2.4	
3431,2	Sanitary ware & plumbers' brass goods	-	39.9	40.5	39.2	38.9	-	-	-	-	
3433	Heating equipment, except electric	-	40.2	40.2	40.5	40.2	-	-	-	-	
344	Fabricated structural metal products	40.3	40.5	41.0	40.5	40.5	3.2	3.1	3.2	3.1	
3441	Fabricated structural steel	-	41.6	41.9	41.2	41.5	3.9	3.9	3.8	3.6	
3442	Metal doors, sash, and trim	-	40.3	40.4	39.0	39.3	-	-	-	-	
3443	Fabricated plate work (boiler shops)	-	39.3	41.1	41.0	40.6	2.5	3.0	3.4	3.3	
3444	Sheet metal work	-	40.7	40.5	39.8	39.9	-	-	-	-	
3446,9	Architectural and misc. metal work	-	40.8	40.2	40.5	40.6	-	-	-	-	
345	Screw machine products, bolts, etc.	40.4	40.0	40.8	40.8	40.5	2.5	2.7	3.4	3.0	
3451	Screw machine products	-	39.8	40.9	40.9	40.5	-	-	-	-	
3452	Bolts, nuts, rivets, and washers	-	40.1	40.8	40.7	40.5	-	-	-	-	
346	Metal stampings	39.0	39.7	41.3	41.7	43.1	2.4	3.5	4.5	5.1	
347	Metal services, n e c	39.3	38.4	39.5	39.4	39.6	3.1	3.8	3.9	3.9	
348	Misc. fabricated wire products	(*)	40.1	40.5	39.8	39.7	2.8	2.9	2.7	2.8	
349	Misc. fabricated metal products	39.5	39.9	40.3	40.2	39.9	2.5	2.6	2.9	2.6	
3494,8	Valves, pipe, and pipe fittings	-	39.5	40.2	40.1	39.6	-	-	-	-	
35	MACHINERY, EXCEPT ELECTRICAL	40.5	40.3	40.7	40.4	40.6	2.5	2.6	2.7	2.8	
351	Engines and turbines	*	40.7	40.1	40.1	39.7	3.5	3.2	3.2	3.1	
3511	Steam engines and turbines	-	41.6	41.2	40.5	40.4	-	-	-	-	
3519	Internal combustion engines, n e c	-	40.3	39.6	39.9	39.3	-	-	-	-	
352	Farm machinery	-	39.4	40.4	39.3	39.3	1.9	2.3	2.1	1.8	
353	Construction and related machinery	39.5	39.7	40.4	40.5	40.3	2.2	2.6	2.6	2.6	
3531,2	Construction and mining machinery	-	39.8	40.7	40.7	40.5	2.0	2.7	2.7	2.6	
3533	Oil field machinery	-	41.0	41.7	40.8	40.9	-	-	-	-	
3535,6	Conveyors, hoists, cranes, monorails	-	40.0	39.6	40.1	39.9	-	-	-	-	
3537	Industrial trucks and tractors	-	37.2	38.1	38.4	37.6	-	-	-	-	
354	Metal working machinery	40.8	40.5	40.6	41.0	41.9	2.6	2.5	3.1	3.9	
3541	Machine tools, metal cutting types	-	38.8	39.0	40.9	40.7	1.5	1.4	2.7	2.6	
3544	Special dies, tools, jigs, & fixtures	-	41.8	42.0	41.9	43.5	-	-	-	-	
3545	Machine tool accessories	-	40.0	39.1	39.5	40.2	1.4	1.1	1.8	2.3	
3542,8	Misc. metal working machinery	-	39.8	40.4	40.7	41.3	-	-	-	-	
355	Special industry machinery	40.0	39.9	40.7	40.8	40.7	2.2	2.5	2.9	2.9	
3551	Food products machinery	-	39.9	40.0	40.6	40.1	-	-	-	-	
3552	Textile machinery	-	38.1	40.3	40.5	40.8	-	-	-	-	
3555	Printing trades machinery	-	40.9	42.0	41.4	41.3	-	-	-	-	
356	General industrial machinery	40.4	40.0	40.4	40.0	40.1	2.2	2.3	2.3	2.5	
3561	Pumps and compressors	-	40.1	41.1	40.9	40.8	2.3	2.6	2.9	2.8	
3562	Ball and roller bearings	-	40.4	39.9	38.5	38.7	1.7	1.7	1.5	1.8	
3564	Blowers and fans	-	40.4	41.6	41.5	41.5	-	-	-	-	
3566	Power transmission equipment	-	39.6	39.9	40.5	40.7	2.2	1.9	2.4	3.1	
357	Office and computing machines	(*)	41.6	41.8	40.6	40.3	2.6	2.4	1.7	1.4	
3573	Electronic computing equipment	-	43.0	43.5	41.3	41.4	-	-	-	-	
358	Service industry machines	(*)	40.2	40.2	39.5	40.1	2.3	1.9	2.2	2.8	
3585	Refrigeration machinery	-	40.5	40.2	39.5	40.4	2.5	1.9	2.3	3.2	
359	Misc. machinery, except electrical	41.2	40.8	41.4	41.0	41.2	3.0	3.7	3.5	3.6	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry--Continued**

SIC code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970	Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970
	<i>Durable Goods--Continued</i>										
36	ELECTRICAL EQUIPMENT AND SUPPLIES...	\$140.49	\$138.65	\$139.95	\$131.41	\$131.80	\$3.53	\$3.51	\$3.49	\$3.31	\$3.32
361	Electric test & distributing equipment ...	152.89	150.63	148.60	138.51	141.86	3.72	3.71	3.66	3.42	3.46
3611	Electric measuring instruments	-	128.95	128.80	121.29	121.83	-	3.24	3.22	3.11	3.10
3612	Transformers	-	146.12	144.80	139.94	145.12	-	3.69	3.62	3.43	3.48
3613	Switchgear and switchboard apparatus..	-	169.28	165.19	149.92	153.09	-	4.04	3.99	3.63	3.68
362	Electrical industrial apparatus	144.36	144.40	144.72	138.98	140.48	3.60	3.61	3.60	3.44	3.46
3621	Motors and generators	-	148.30	148.67	142.86	145.44	-	3.68	3.68	3.51	3.53
3622	Industrial controls	-	134.46	136.17	131.47	128.43	-	3.43	3.43	3.32	3.31
363	Household appliances	(*)	149.57	151.74	136.86	140.19	(*)	3.73	3.71	3.43	3.47
3632	Household refrigerators and freezers ...	-	168.51	170.54	149.14	159.00	-	4.12	4.08	3.71	3.75
3633	Household laundry equipment	-	156.02	162.24	150.63	148.00	-	3.92	3.90	3.71	3.70
3634	Electric housewares and fans	-	119.56	120.48	113.15	110.87	-	3.05	3.05	2.85	2.85
364	Electric lighting and wiring equipment ...	(*)	129.26	130.75	122.62	121.37	(*)	3.34	3.31	3.12	3.12
3641	Electric lamps	-	130.93	131.26	130.56	125.05	-	3.34	3.34	3.20	3.19
3642	Lighting fixtures	-	131.41	134.06	123.56	122.68	-	3.44	3.42	3.16	3.17
3643,4	Wiring devices	-	127.26	127.36	117.34	118.65	-	3.28	3.20	3.04	3.05
365	Radio and TV receiving equipment	(*)	120.02	122.61	117.90	114.85	(*)	3.15	3.16	3.00	2.96
366	Communication equipment	(*)	148.13	151.90	145.48	144.80	(*)	3.75	3.76	3.61	3.62
3661	Telephone and telegraph apparatus	-	139.78	144.07	140.65	139.39	-	3.64	3.67	3.49	3.52
3662	Radio and TV communication equipment ..	-	155.93	156.65	149.92	149.88	-	3.85	3.83	3.72	3.71
367	Electronic components and accessories ..	116.49	118.08	120.29	112.91	111.55	3.01	3.02	3.03	2.91	2.89
3671-3	Electron tubes	-	124.74	132.47	132.59	127.53	-	3.30	3.32	3.29	3.27
3674,9	Other electronic components	-	116.33	117.61	109.34	108.57	-	2.96	2.97	2.84	2.82
369	Misc. electrical equipment & supplies....	(*)	154.39	155.54	138.16	140.40	(*)	3.85	3.85	3.48	3.51
3694	Engine electrical equipment	-	163.20	160.79	138.48	144.44	-	4.00	3.97	3.56	3.62
37	TRANSPORTATION EQUIPMENT	174.24	173.01	183.85	164.00	166.06	4.40	4.38	4.43	4.10	4.08
371	Motor vehicles and equipment	(*)	182.36	200.55	169.95	177.21	(*)	4.70	4.73	4.27	4.27
3711	Motor vehicles	-	181.55	206.55	168.34	178.23	-	4.92	4.86	4.43	4.39
3712	Passenger car bodies	-	197.51	221.19	208.69	191.63	-	5.13	5.18	5.27	4.72
3713	Truck and bus bodies	-	145.06	150.07	139.35	138.25	-	3.71	3.78	3.51	3.50
3714	Motor vehicle parts and accessories ...	-	187.22	199.41	173.87	181.05	-	4.60	4.67	4.21	4.24
3715	Truck trailers	-	137.16	140.89	128.58	129.36	-	3.49	3.54	3.28	3.30
372	Aircraft and parts	177.53	175.01	175.42	169.31	166.46	4.33	4.30	4.31	4.16	4.09
3721	Aircraft	-	176.71	180.11	172.60	167.68	-	4.31	4.34	4.22	4.12
3722	Aircraft engines and engine parts	-	172.62	170.96	167.26	165.22	-	4.37	4.35	4.14	4.11
3723,9	Other aircraft parts and equipment	-	173.05	169.72	164.42	166.42	-	4.18	4.17	4.03	4.01
373	Ship and boat building and repairing	150.54	154.05	152.87	150.53	148.19	3.89	3.91	3.87	3.84	3.79
3731	Ship building and repairing	-	162.76	161.95	157.61	155.24	-	4.11	4.10	3.99	3.93
3732	Boat building and repairing	-	126.36	126.56	118.76	117.81	-	3.24	3.18	3.15	3.15
374	Railroad equipment	-	186.71	185.60	163.49	164.76	-	4.61	4.64	4.16	4.15
375,9	Other transportation equipment	-	133.13	133.32	121.35	118.65	-	3.32	3.30	3.08	3.05
38	INSTRUMENTS AND RELATED PRODUCTS ..	142.36	140.58	140.10	134.52	133.60	3.55	3.55	3.52	3.38	3.34
381	Engineering & scientific instruments	-	159.90	163.18	151.64	149.33	-	4.10	4.10	3.81	3.79
382	Mechanical measuring & control devices...	(*)	135.68	135.68	129.03	131.01	(*)	3.47	3.47	3.30	3.30
3821	Mechanical measuring devices	-	136.76	137.16	131.80	133.46	-	3.48	3.49	3.32	3.32
3822	Automatic temperature controls	-	135.33	134.21	124.91	127.20	-	3.47	3.45	3.27	3.27
383,5	Optical and ophthalmic goods	(*)	126.72	127.52	121.18	122.28	(*)	3.16	3.18	3.06	3.08
385	Ophthalmic goods	-	118.80	118.01	113.37	113.37	-	2.97	2.98	2.87	2.87
384	Medical instruments and supplies	(*)	123.32	123.69	111.74	111.65	(*)	3.13	3.10	2.91	2.90
386	Photographic equipment and supplies	(*)	172.60	170.11	169.29	162.18	(*)	4.22	4.19	4.05	3.88
387	Watches, clocks, and watchcases	-	112.62	113.00	112.68	113.02	-	2.91	2.89	2.81	2.77
39	MISC. MANUFACTURING INDUSTRIES	115.54	113.48	114.46	108.85	107.90	2.94	2.94	2.95	2.82	2.81
391	Jewelry, silverware, and plated ware....	(*)	121.34	126.81	117.25	115.97	(*)	3.21	3.26	3.11	3.06
394	Toys and sporting goods	-	105.26	103.03	98.81	98.30	-	2.72	2.69	2.58	2.58
3941-3	Games, toys, dolls & play vehicles	-	98.56	97.02	95.62	93.87	-	2.58	2.56	2.49	2.49
3949	Sporting and athletic goods, n e c	-	113.58	110.19	104.29	104.88	-	2.89	2.84	2.73	2.71
395	Pens, pencils, office and art supplies....	-	118.31	118.29	114.26	107.54	-	2.98	3.01	2.90	2.86
396	Costume jewelry and notions	-	104.64	107.02	97.54	99.85	-	2.69	2.73	2.56	2.58
393,9	Other manufacturing industries	123.48	120.58	122.46	118.08	116.79	3.15	3.14	3.14	3.02	3.01
393	Musical instruments and parts	-	112.72	122.89	115.74	111.34	-	3.03	3.08	2.96	2.93
	<i>Nondurable Goods</i>										
20	FOOD AND KINDRED PRODUCTS	136.35	136.89	136.89	128.96	128.61	3.35	3.38	3.38	3.13	3.16
201	Meat products	143.79	144.02	145.08	137.94	136.94	3.49	3.53	3.53	3.34	3.34
2011	Meat packing plants	-	176.81	177.63	168.44	166.01	-	4.17	4.16	4.02	4.01
2013	Sausages and other prepared meats	-	163.60	159.18	152.67	153.14	-	4.00	3.94	3.67	3.69
2015	Poultry dressing plants	-	86.40	87.36	87.67	87.02	-	2.25	2.24	2.17	2.17

See footnotes at end of table.

C-2: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry--Continued

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970	Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970
	<i>Durable Goods--Continued</i>										
36	ELECTRICAL EQUIPMENT AND SUPPLIES	39.8	39.5	40.1	39.7	39.7	-	1.8	2.1	2.2	2.3
361	Electric test & distributing equipment	41.1	40.6	40.6	40.5	41.0	-	2.2	2.2	2.6	2.7
3611	Electric measuring instruments	-	39.8	40.0	39.0	39.3	-	1.2	1.5	1.1	.9
3612	Transformers	-	39.6	40.0	40.8	41.7	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	41.9	41.4	41.3	41.6	-	-	-	-	-
362	Electrical industrial apparatus	40.1	40.0	40.2	40.4	40.6	-	2.2	2.3	2.6	2.9
3621	Motors and generators	-	40.3	40.4	40.7	41.2	-	2.7	2.5	3.1	3.4
3622	Industrial controls	-	39.2	39.7	39.6	38.8	-	1.2	1.7	1.6	1.4
363	Household appliances	(*)	40.1	40.9	39.9	40.4	-	2.3	2.8	2.7	3.2
3632	Household refrigerators and freezers	-	40.9	41.8	40.2	42.4	-	-	-	-	-
3633	Household laundry equipment	-	39.8	41.6	40.6	40.0	-	-	-	-	-
3634	Electric housewares and fans	-	39.2	39.5	39.7	38.9	-	1.9	1.7	2.6	1.9
364	Electric lighting and wiring equipment	(*)	38.7	39.5	39.3	38.9	-	1.5	1.7	2.1	1.9
3641	Electric lamps	-	39.2	39.3	40.8	39.2	-	1.1	1.5	2.9	2.0
3642	Lighting fixtures	-	38.2	39.2	39.1	38.7	-	1.5	1.6	1.8	2.1
3643,4	Wiring devices	-	38.8	39.8	38.6	38.9	-	1.6	1.8	1.9	1.7
365	Radio and TV receiving equipment	(*)	38.1	38.8	39.3	38.8	-	1.3	1.5	2.1	1.7
366	Communication equipment	(*)	39.5	40.4	40.3	40.0	-	1.5	2.2	2.3	2.1
3661	Telephone and telegraph apparatus	-	38.4	39.8	40.3	39.6	-	-	-	-	-
3662	Radio and TV communication equipment	-	40.5	40.9	40.3	40.4	-	2.0	2.6	1.9	2.2
367	Electronic components and accessories	38.7	39.1	39.7	38.8	38.6	-	1.6	1.9	1.7	1.7
3671-3	Electron tubes	-	37.8	39.9	40.3	39.0	-	1.4	1.8	3.0	2.1
3674,9	Other electronic components	-	39.3	39.6	38.5	38.5	-	1.6	1.9	1.4	1.7
369	Misc. electrical equipment & supplies	(*)	40.1	40.4	39.7	40.0	-	2.3	2.2	2.1	2.2
3694	Engine electrical equipment	-	40.8	40.5	40.0	39.9	-	-	-	-	-
37	TRANSPORTATION EQUIPMENT	39.6	39.5	41.5	40.0	40.7	-	2.8	3.2	3.1	3.4
371	Motor vehicles and equipment	(*)	38.8	42.4	39.8	41.5	-	3.1	3.8	3.6	4.3
3711	Motor vehicles	-	36.9	42.5	38.0	40.6	-	3.1	3.4	3.4	4.0
3712	Passenger car bodies	-	38.5	42.7	39.6	40.6	-	-	-	-	-
3713	Truck and bus bodies	-	39.1	39.7	39.7	39.5	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	40.7	42.7	41.3	42.7	-	3.0	4.1	3.6	4.9
3715	Truck trailers	-	39.3	39.8	39.2	39.2	-	-	-	-	-
372	Aircraft and parts	41.0	40.7	40.7	40.7	40.7	-	2.1	2.1	2.6	2.6
3721	Aircraft	-	41.0	41.5	40.9	40.7	-	2.1	2.2	2.2	2.0
3722	Aircraft engines and engine parts	-	39.5	39.3	40.4	40.2	-	1.7	1.5	2.8	2.9
3723,9	Other aircraft parts and equipment	-	41.4	40.7	40.8	41.5	-	2.8	2.5	3.1	3.6
373	Ship and boat building and repairing	38.7	39.4	39.5	39.2	39.1	-	2.7	3.1	2.9	2.4
3731	Ship building and repairing	-	39.6	39.5	39.5	39.5	-	-	-	-	-
3732	Boat building and repairing	-	39.0	39.8	37.7	37.4	-	-	-	-	-
374	Railroad equipment	-	40.5	40.0	39.3	39.7	-	3.9	3.3	2.8	3.0
375,9	Other transportation equipment	-	40.1	40.4	39.4	38.9	-	3.0	3.1	2.6	2.6
38	INSTRUMENTS AND RELATED PRODUCTS	40.1	39.6	39.8	39.8	40.0	-	1.8	1.9	2.2	2.2
381	Engineering & scientific instruments	-	39.0	39.8	39.8	39.4	-	1.9	2.0	2.4	2.2
382	Mechanical measuring & control devices	(*)	39.1	39.1	39.1	39.7	-	1.8	1.8	2.0	2.7
3821	Mechanical measuring devices	-	39.3	39.3	39.7	40.2	-	1.6	1.8	2.3	2.9
3822	Automatic temperature controls	-	39.0	38.9	38.2	38.9	-	2.2	1.8	1.6	2.4
383,5	Optical and ophthalmic goods	(*)	40.1	40.1	39.6	39.7	-	2.1	2.0	1.8	2.3
385	Ophthalmic goods	(*)	40.0	39.6	39.5	39.5	-	2.0	1.8	1.9	2.1
384	Medical instruments and supplies	(*)	39.4	39.9	38.4	38.5	-	1.7	2.0	1.8	1.5
386	Photographic equipment and supplies	(*)	40.9	40.6	41.8	41.8	-	1.9	2.1	2.8	2.1
387	Watches, clocks, and watch cases	-	38.7	39.1	40.1	40.8	-	1.1	1.2	1.8	2.1
39	MISC. MANUFACTURING INDUSTRIES	39.3	38.6	38.8	38.6	38.4	-	1.7	2.1	2.1	1.7
391	Jewelry, silverware, and plated ware	(*)	37.8	38.9	37.7	37.9	-	1.2	2.4	1.8	1.3
394	Toys and sporting goods	-	38.7	38.3	38.3	38.1	-	1.9	1.9	2.1	1.6
3941-3	Games, toys, dolls, & play vehicles	-	38.2	37.9	38.4	37.7	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.	-	39.3	38.8	38.2	38.7	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	39.7	39.3	39.4	37.6	-	1.5	1.3	1.7	1.1
396	Costume jewelry and notions	-	38.9	39.2	38.1	38.7	-	1.8	2.3	2.0	1.6
393,9	Other manufacturing industries	39.2	38.4	39.0	39.1	38.8	-	1.8	2.1	2.2	1.9
393	Musical instruments and parts	-	37.2	39.9	39.1	38.0	-	1.3	2.2	1.9	1.1
	<i>Nondurable Goods</i>										
20	FOOD AND KINDRED PRODUCTS	40.7	40.5	40.5	41.2	40.7	-	4.1	4.0	4.3	4.2
201	Meat products	41.2	40.8	41.1	41.3	41.0	-	4.6	4.6	4.7	4.5
2011	Meat packing plants	-	42.4	42.7	41.9	41.4	-	5.6	5.1	4.8	4.5
2013	Sausages and other prepared meats	-	40.9	40.4	41.6	41.5	-	-	-	-	-
2015	Poultry dressing plants	-	38.4	39.0	40.4	40.1	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. ^P 1971	July 1971	June 1971	Aug. 1970	July 1970	Aug. ^P 1971	July 1971	June 1971	Aug. 1970	July 1970
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products.....	\$144.63	\$146.09	\$144.82	\$136.69	\$136.73	\$3.46	\$3.47	\$3.44	\$3.27	\$3.24
2024	Ice cream and frozen desserts.....	-	141.28	138.27	130.00	131.98	-	3.34	3.30	3.11	3.12
2026	Fluid milk.....	-	154.34	151.62	144.56	145.43	-	3.64	3.61	3.45	3.43
203	Canned, cured, and frozen foods.....	-	103.79	105.84	107.71	101.76	-	2.79	2.83	2.64	2.65
2031,6	Canned, cured, and frozen sea foods...	-	84.53	90.41	88.08	88.70	-	2.45	2.45	2.40	2.43
2032,3	Canned food, except sea foods.....	-	106.68	112.24	114.09	105.30	-	2.86	3.05	2.71	2.70
2037	Frozen fruits and vegetables.....	-	96.73	97.03	96.53	94.37	-	2.65	2.54	2.45	2.53
204	Grain mill products.....	(*)	159.71	154.56	148.98	148.53	(*)	3.51	3.45	3.26	3.25
2041	Flour and other grain mill products...	-	169.28	165.07	162.37	155.82	-	3.68	3.62	3.44	3.38
2042	Prepared feeds for animals and fowls...	-	144.05	140.40	132.34	132.63	-	3.02	3.00	2.84	2.81
205	Bakery products.....	137.51	139.60	137.41	129.03	129.92	3.49	3.49	3.47	3.25	3.24
2051	Bread, cake, and related products.....	-	141.69	139.79	131.41	131.60	-	3.56	3.53	3.31	3.29
2052	Cookies and crackers.....	-	132.44	129.82	121.97	123.93	-	3.27	3.27	3.08	3.06
206	Sugar.....	-	152.40	152.45	143.98	138.58	-	3.81	3.84	3.42	3.38
207	Confectionery and related products.....	121.60	120.12	118.59	113.08	110.83	3.04	3.08	3.01	2.82	2.82
2071	Confectionery products.....	-	115.80	114.86	109.18	105.88	-	3.00	2.93	2.75	2.75
208	Beverages.....	165.20	165.09	159.10	149.69	148.42	4.00	3.94	3.89	3.66	3.62
2082	Malt liquors.....	-	220.48	215.55	195.09	195.76	-	5.20	5.12	4.77	4.74
2086	Bottled and canned soft drinks.....	-	125.50	120.13	116.48	116.20	-	2.96	2.93	2.80	2.78
209	Misc. foods and kindred products.....	135.79	134.07	135.29	128.54	126.07	3.28	3.27	3.26	3.12	3.09
21	TOBACCO MANUFACTURES	119.19	121.11	121.44	104.81	113.32	3.17	3.30	3.30	2.78	3.03
211	Cigarettes.....	-	139.71	140.43	130.07	133.70	-	3.87	3.89	3.45	3.50
212	Cigars.....	-	86.16	85.27	81.55	80.08	-	2.31	2.28	2.21	2.20
22	TEXTILE MILL PRODUCTS	104.75	102.66	104.96	97.36	96.96	2.58	2.56	2.56	2.44	2.43
221	Weaving mills, cotton.....	104.14	102.12	103.12	98.81	99.53	2.54	2.53	2.54	2.41	2.41
222	Weaving mills, synthetics.....	112.75	111.35	109.36	100.53	99.38	2.61	2.62	2.61	2.47	2.46
223	Weaving and finishing mills, wool.....	(*)	103.83	106.79	97.39	97.75	(*)	2.69	2.69	2.51	2.50
224	Narrow fabric mills.....	98.81	98.42	101.75	95.89	94.43	2.54	2.53	2.50	2.44	2.44
225	Knitting mills.....	95.37	94.11	95.69	90.44	90.30	2.49	2.47	2.46	2.38	2.37
2251	Women's hosiery, except socks.....	-	82.95	85.32	85.18	87.08	-	2.37	2.37	2.34	2.36
2252	Hosiery, n e c.....	-	82.06	84.74	80.84	81.27	-	2.23	2.23	2.15	2.15
2253	Knit outerwear mills.....	-	97.03	97.78	94.74	93.21	-	2.54	2.52	2.48	2.44
2254	Knit underwear mills.....	-	88.62	88.78	82.06	81.18	-	2.32	2.30	2.20	2.20
226	Textile finishing, except wool.....	(*)	108.50	117.43	104.60	104.60	(*)	2.74	2.75	2.57	2.57
227	Floor covering mills.....	-	111.41	117.34	111.20	105.98	-	2.64	2.71	2.58	2.56
228	Yarn and thread mills.....	99.29	98.71	101.52	89.89	89.04	2.41	2.39	2.40	2.27	2.26
229	Miscellaneous textile goods.....	120.06	119.31	123.54	110.98	110.03	2.90	2.91	2.90	2.72	2.71
23	APPAREL AND OTHER TEXTILE PRODUCTS	89.89	88.43	87.69	85.20	84.25	2.49	2.47	2.47	2.40	2.38
231	Men's and boys' suits and coats.....	(*)	108.28	106.05	101.82	101.21	(*)	3.05	3.11	2.96	2.90
232	Men's and boys' furnishings.....	81.81	80.14	80.51	76.91	76.13	2.17	2.16	2.17	2.09	2.08
2321	Men's and boys' shirts and nightwear...	-	77.17	78.11	75.03	74.66	-	2.12	2.14	2.05	2.04
2327	Men's and boys' separate trousers.....	-	79.50	80.84	77.17	76.43	-	2.12	2.15	2.08	2.06
2328	Men's and boys' work clothing.....	-	78.38	76.96	73.37	73.73	-	2.09	2.08	2.01	2.02
233	Women's and misses' outerwear.....	93.02	90.25	87.65	86.84	87.36	2.72	2.67	2.64	2.60	2.60
2331	Women's and misses' blouses and waists...	-	80.96	80.64	78.75	79.11	-	2.30	2.40	2.33	2.32
2335	Women's and misses' dresses.....	-	88.78	87.95	87.37	88.29	-	2.74	2.74	2.68	2.70
2337	Women's and misses' suits and coats.....	-	107.05	99.30	99.36	99.87	-	3.13	3.00	3.02	2.99
2339	Women's and misses' outerwear, n e c.....	-	82.04	80.46	77.96	77.39	-	2.26	2.26	2.19	2.18
234	Women's and children's undergarments...	(*)	81.59	81.72	80.81	77.69	(*)	2.26	2.27	2.19	2.17
2341	Women's and children's underwear.....	-	79.42	79.56	79.39	76.32	-	2.20	2.21	2.14	2.12
2342	Corsets and allied garments.....	-	86.88	88.45	84.68	82.01	-	2.40	2.45	2.32	2.31
235	Hats, caps, and millinery.....	-	84.35	81.95	81.76	80.59	-	2.33	2.27	2.24	2.27
236	Children's outerwear.....	81.31	81.98	83.72	78.87	79.70	2.31	2.29	2.30	2.26	2.22
2361	Children's dresses and blouses.....	-	82.31	83.08	72.35	77.57	-	2.28	2.27	2.24	2.21
237,8	Fur goods and miscellaneous apparel...	-	91.39	90.83	90.04	87.58	-	2.56	2.53	2.46	2.46
239	Misc. fabricated textile products.....	(*)	87.66	99.44	94.88	91.14	(*)	2.57	2.61	2.51	2.45
2391,2	Housefurnishings.....	-	85.65	85.88	82.03	80.72	-	2.26	2.26	2.17	2.17
26	PAPER AND ALLIED PRODUCTS	158.10	156.88	155.24	146.23	144.70	3.72	3.70	3.67	3.49	3.47
261,2,6	Paper and pulp mills.....	(*)	182.82	177.76	168.73	166.99	(*)	4.09	4.04	3.87	3.83
263	Paperboard mills.....	184.38	181.33	181.63	174.05	175.95	4.20	4.14	4.10	3.92	3.91
264	Misc. converted paper products.....	135.27	136.01	137.27	126.54	125.91	3.34	3.35	3.34	3.14	3.14
2643	Bags, except textile bags.....	-	134.23	129.85	122.71	120.90	-	3.29	3.23	3.06	3.03
265	Paperboard containers and boxes.....	143.79	140.97	139.40	130.33	127.12	3.44	3.43	3.40	3.21	3.17
2651,2	Folding and setup paperboard boxes...	-	131.60	129.20	118.11	117.41	-	3.29	3.23	2.99	2.98
2653	Corrugated and solid fiber boxes.....	-	149.23	148.04	141.10	134.46	-	3.57	3.55	3.40	3.32
2654	Sanitary food containers.....	-	139.77	136.37	128.11	130.21	-	3.32	3.31	3.14	3.13

See footnotes at end of table.

C-2: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry--Continued

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970	Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products.....	41.8	42.1	42.1	41.8	42.2	-	4.4	4.4	4.1	4.5
2024	Ice cream and frozen desserts.....	-	42.3	41.9	41.8	42.3	-	-	-	-	-
2026	Fluid milk.....	-	42.4	42.0	41.9	42.4	-	-	-	-	-
203	Canned, cured, and frozen foods.....	-	37.2	37.4	40.8	38.4	-	3.0	2.8	3.8	3.1
2031,6	Canned, cured and frozen sea foods.....	-	34.5	36.9	36.7	36.5	-	-	-	-	-
2032,3	Canned food, except sea foods.....	-	37.3	36.8	42.1	39.0	-	-	-	-	-
2037	Frozen fruits and vegetables.....	-	36.5	38.2	39.4	37.3	-	-	-	-	-
204	Grain mill products.....	(*)	45.5	44.8	45.7	45.7	-	7.0	6.3	7.2	7.4
2041	Flour and other grain mill product ..	-	46.0	45.6	47.2	46.1	-	-	-	-	-
2042	Prepared feeds for animals and fowls ..	-	47.7	46.8	46.6	47.2	-	-	-	-	-
205	Bakery products.....	39.4	40.0	39.6	39.7	40.1	-	3.4	3.3	3.5	3.7
2051	Bread, cake, and related products ..	-	39.8	39.6	39.7	40.0	-	-	-	-	-
2052	Cookies and crackers.....	-	40.5	39.7	39.6	40.5	-	-	-	-	-
206	Sugar.....	-	40.0	39.7	42.1	41.0	-	4.7	4.3	4.5	4.1
207	Confectionery and related products ..	40.0	39.0	39.4	40.1	39.3	-	2.0	2.2	2.6	2.2
2071	Confectionery products.....	-	38.6	39.2	39.7	38.5	-	-	-	-	-
208	Beverages.....	41.3	41.9	40.9	40.9	41.0	-	4.6	4.0	3.8	3.9
2082	Malt liquors.....	-	42.4	42.1	40.9	41.3	-	-	-	-	-
2086	Bottled and canned soft drinks.....	-	42.4	41.0	41.6	41.8	-	-	-	-	-
209	Misc. foods and kindred products.....	41.4	41.0	41.5	41.2	40.8	-	4.1	4.6	4.5	4.4
21	TOBACCO MANUFACTURES.....	37.6	36.7	36.8	37.7	37.4	-	2.4	1.8	1.9	1.5
211	Cigarettes.....	-	36.1	36.1	37.7	38.2	-	3.3	2.1	1.9	2.1
212	Cigars.....	-	37.3	37.4	36.9	36.4	-	1.2	1.5	1.1	.5
22	TEXTILE MILL PRODUCTS.....	40.6	40.1	41.0	39.9	39.9	-	3.4	4.0	3.2	3.1
221	Weaving mills, cotton.....	41.0	40.4	40.6	41.0	41.3	-	3.3	4.0	3.9	4.0
222	Weaving mills, synthetics.....	43.2	42.5	41.9	40.7	40.4	-	4.1	4.2	3.0	2.7
223	Weaving and finishing mills, wool ..	(*)	38.6	39.7	38.8	39.1	-	2.4	2.7	2.3	2.6
224	Narrow fabric mills.....	38.9	38.9	40.7	39.3	38.7	-	2.4	2.9	2.4	2.0
225	Knitting mills.....	38.3	38.1	38.9	38.0	38.1	-	2.5	2.9	2.3	2.5
2251	Women's hosiery, except socks.....	-	35.0	36.0	36.4	36.9	-	-	-	-	-
2252	Hosiery, n e c.....	-	36.8	38.0	37.6	37.8	-	-	-	-	-
2253	Knit outerwear mills.....	-	38.2	38.8	38.2	38.2	-	-	-	-	-
2254	Knit underwear mills.....	-	38.2	38.6	37.3	36.9	-	-	-	-	-
226	Textile finishing, except wool.....	(*)	39.6	42.7	40.7	40.7	-	4.1	5.2	3.7	3.4
227	Floor covering mills.....	-	42.2	43.3	43.1	41.4	-	4.8	5.2	4.8	3.6
228	Yarn and thread mills.....	41.2	41.3	42.3	39.6	39.4	-	3.9	4.7	3.0	2.9
229	Miscellaneous textile goods.....	41.4	41.0	42.6	40.8	40.6	-	3.6	4.6	3.6	3.3
23	APPAREL AND OTHER TEXTILE PRODUCTS	36.1	35.8	35.5	35.5	35.4	-	1.1	1.3	1.2	1.0
231	Men's and boys' suits and coats ..	(*)	35.5	34.1	34.4	34.9	-	.4	.7	.5	.3
232	Men's and boys' furnishings.....	37.7	37.1	37.1	36.8	36.6	-	1.1	1.4	1.3	1.1
2321	Men's and boys' shirts and nightwear ..	-	36.4	36.5	36.6	36.6	-	.8	1.2	1.2	1.1
2327	Men's and boys' separate trousers.....	-	37.5	37.6	37.1	37.1	-	-	-	-	-
2328	Men's and boys' work clothing.....	-	37.5	37.0	36.5	36.5	-	1.0	1.3	1.1	1.1
233	Women's and misses' outerwear.....	34.2	33.8	33.2	33.4	33.6	-	1.1	1.0	1.0	1.0
2331	Women's and misses' blouses and waists ..	-	35.2	33.6	33.8	34.1	-	-	-	-	-
2335	Women's and misses' dresses.....	-	32.4	32.1	32.6	32.7	-	.9	1.0	.9	.9
2337	Women's and misses' suits and coats ..	-	34.2	33.1	32.9	33.4	-	1.4	1.1	1.3	1.1
2339	Women's and misses' outerwear, n e c ..	-	36.3	35.6	35.6	35.5	-	1.4	1.0	1.1	.9
234	Women's and children's undergarments ..	(*)	36.1	36.0	36.9	35.8	-	1.1	1.2	1.4	1.2
2341	Women's and children's underwear.....	-	36.1	36.0	37.1	36.0	-	-	-	-	-
2342	Corsets and allied garments.....	-	36.2	36.1	36.5	35.5	-	-	-	-	-
235	Hats, caps, and millinery.....	-	36.2	36.1	36.5	35.5	-	1.0	.7	1.2	.8
236	Children's outerwear.....	35.2	35.8	36.4	34.9	35.9	-	1.3	1.5	1.5	1.2
2361	Children's dresses and blouses.....	-	36.1	36.6	32.3	35.1	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel ..	-	35.7	35.9	36.6	35.6	-	.8	.9	1.3	.8
239	Misc. fabricated textile products.....	(*)	38.0	38.1	37.8	37.2	-	1.9	2.0	2.0	1.5
2391,2	Housefurnishings.....	-	37.9	38.0	37.8	37.2	-	-	-	-	-
26	PAPER AND ALLIED PRODUCTS.....	42.5	42.4	42.3	41.9	41.7	-	4.7	4.6	4.7	4.4
261,2,6	Paper and pulp mills.....	(*)	44.7	44.0	43.6	43.6	-	5.9	5.8	5.9	5.8
263	Paperboard mills.....	43.9	43.8	44.3	44.4	45.0	-	7.3	7.1	7.0	7.2
264	Misc. converted paper products.....	40.5	40.6	41.1	40.3	40.1	-	3.4	3.2	3.3	2.9
2643	Bags, except textile bags.....	-	40.8	40.2	40.1	39.9	-	-	-	-	-
265	Paperboard containers and boxes.....	41.8	41.1	41.0	40.6	40.1	-	3.7	3.7	3.8	3.3
2651,2	Folding and setup paperboard boxes ..	-	40.0	40.0	39.5	39.4	-	-	-	-	-
2653	Corrugated and solid fiber boxes.....	-	41.8	41.7	41.5	40.5	-	4.6	4.4	4.6	3.7
2654	Sanitary food containers.....	-	42.1	41.2	40.8	41.6	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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**C-2: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970	Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970
	<i>Nondurable Goods--Continued</i>										
27	PRINTING AND PUBLISHING	\$157.92	\$157.92	\$158.34	\$149.31	\$148.18	\$4.20	\$4.20	\$4.20	\$3.95	\$3.92
271	Newspapers.....	164.26	163.66	164.37	149.81	149.03	4.64	4.61	4.63	4.22	4.21
272	Periodicals.....	-	173.41	172.30	170.10	168.08	-	4.39	4.34	4.20	4.15
273	Books.....	-	150.46	148.54	139.44	135.80	-	3.79	3.77	3.53	3.50
275	Commercial printing	160.78	161.59	162.89	155.98	154.81	4.22	4.23	4.22	4.02	3.99
2751	Commercial printing, ex. lithographic	-	155.86	157.49	150.54	150.54	-	4.08	4.08	3.90	3.88
2752	Commercial printing, lithographic	-	172.48	171.00	164.44	161.44	-	4.48	4.43	4.20	4.15
278	Blankbooks and bookbinding	(*)	123.45	122.29	114.00	114.22	(*)	3.19	3.16	3.00	2.99
274,6,7,9	Other publishing & printing ind.....	155.29	155.32	154.95	146.67	146.67	4.13	4.12	4.11	3.87	3.87
28	CHEMICALS AND ALLIED PRODUCTS	164.36	164.37	164.30	153.68	153.59	3.97	3.98	3.94	3.73	3.71
281	Industrial chemicals	(*)	184.34	184.41	171.79	172.18	(*)	4.41	4.37	4.10	4.08
2812	Alkalies and chlorine	-	185.75	184.46	184.34	181.77	-	4.35	4.33	4.18	4.15
2818	Industrial organic chemicals, n e c.....	-	201.03	199.28	180.18	183.61	-	4.73	4.70	4.29	4.29
2819	Industrial inorganic chemicals, n e c.....	-	172.61	171.81	162.77	161.93	-	4.21	4.16	3.97	3.94
282	Plastics materials and synthetics.....	(*)	161.80	162.09	151.62	152.62	(*)	3.88	3.85	3.68	3.66
2821	Plastics materials and resins	-	177.21	175.44	163.74	163.28	-	4.15	4.08	3.88	3.86
2823,4	Synthetic fibers	-	146.47	148.27	138.23	140.56	-	3.59	3.59	3.43	3.42
283	Drugs.....	(*)	151.15	151.88	142.04	140.80	(*)	3.76	3.75	3.56	3.52
2834	Pharmaceutical preparations	-	146.00	146.69	135.98	134.70	-	3.65	3.64	3.46	3.41
284	Soap, cleaners, and toilet goods.....	(*)	160.39	159.15	148.92	149.69	(*)	3.98	3.92	3.65	3.66
2841	Soap and other detergents.....	-	206.09	198.10	191.65	192.92	-	4.99	4.82	4.52	4.55
2844	Toilet preparations	-	126.62	131.38	121.40	118.50	-	3.23	3.26	3.02	2.97
285	Paints and allied products.....	152.93	151.66	152.35	144.55	145.67	3.73	3.69	3.68	3.50	3.51
287	Agricultural chemicals	(*)	139.19	137.67	129.56	129.78	(*)	3.42	3.27	3.16	3.15
2871,2	Fertilizers, complete & mixing only.....	-	132.51	132.09	125.75	125.22	-	3.28	3.13	3.03	3.01
286,9	Other chemical products	156.51	155.91	155.82	142.80	140.88	3.70	3.73	3.71	3.50	3.47
2892	Explosives	-	163.07	163.41	146.80	143.45	-	3.92	3.90	3.67	3.63
29	PETROLEUM AND COAL PRODUCTS	195.43	196.88	195.11	184.46	184.88	4.62	4.60	4.58	4.27	4.26
291	Petroleum refining	(*)	204.25	203.34	189.53	190.42	(*)	4.84	4.83	4.47	4.47
295,9	Other petroleum and coal products	171.77	171.65	167.45	166.35	166.62	3.86	3.84	3.78	3.64	3.65
30	RUBBER AND PLASTICS PRODUCTS, N E C	138.57	137.94	137.57	130.82	129.68	3.43	3.44	3.38	3.23	3.21
301	Tires and inner tubes	(*)	194.84	189.53	181.33	179.35	(*)	4.65	4.47	4.38	4.26
302,3,6	Other rubber products	(*)	128.25	130.40	127.48	126.05	(*)	3.28	3.26	3.14	3.12
302	Rubber footwear	-	106.02	106.75	103.49	108.67	-	2.79	2.78	2.64	2.71
307	Miscellaneous plastics products	123.12	120.10	121.20	114.69	113.54	3.04	3.01	3.00	2.86	2.86
31	LEATHER AND LEATHER PRODUCTS	97.66	98.81	98.30	91.51	93.99	2.57	2.58	2.58	2.48	2.48
311	Leather tanning and finishing	(*)	124.42	132.44	120.65	118.56	(*)	3.24	3.27	3.07	3.04
314	Footwear, except rubber.....	(*)	96.64	95.50	88.81	92.83	(*)	2.51	2.50	2.42	2.43
312,3,5-7,5	Other leather products	(*)	95.13	93.24	90.04	88.82	(*)	2.53	2.52	2.44	2.44
316	Luggage	-	98.25	94.68	91.19	89.96	-	2.62	2.63	2.54	2.52
317	Handbags and personal leather goods.....	-	92.63	89.79	88.88	86.03	-	2.47	2.46	2.37	2.37
	TRANSPORTATION AND PUBLIC UTILITIES	169.71	163.49	166.87	158.34	159.06	4.18	4.16	4.10	3.90	3.87
1	RAILROAD TRANSPORTATION:										
	Class I railroads ²	-	(*)	(*)	168.60	176.09	-	(*)	(*)	3.93	3.87
	LOCAL AND INTERURBAN PASSENGER TRANSIT:										
411	Local and suburban transportation	-	155.73	151.08	147.23	146.63	-	3.63	3.58	3.44	3.41
413	Intercity highway transportation	-	182.32	177.61	178.40	171.39	-	4.30	4.29	4.12	4.12
42	TRUCKING AND WAREHOUSING	-	186.97	182.31	165.48	165.03	-	4.42	4.31	3.94	3.92
421,3	Trucking and trucking terminals.....	-	190.83	186.59	168.80	167.96	-	4.49	4.38	4.00	3.98
422	Public warehousing	-	134.24	131.93	124.89	122.76	-	3.39	3.34	3.13	3.10
46	PIPE LINE TRANSPORTATION	-	204.79	198.10	190.57	188.48	-	4.83	4.82	4.57	4.52
48	COMMUNICATION	-	113.96	138.84	135.54	133.91	-	3.55	3.56	3.44	3.39
481	Telephone communication	-	106.98	136.07	133.17	132.26	-	3.44	3.48	3.38	3.34
4817	Switchboard operating employees ³	-	80.35	101.09	96.47	95.90	-	2.88	2.88	2.78	2.74
4818	Line construction employees ⁴	-	143.65	193.91	189.03	189.39	-	4.25	4.29	4.21	4.19
482	Telegraph communication ⁵	-	(*)	(*)	159.22	158.90	-	(*)	(*)	3.72	3.73
483	Radio and television broadcasting	-	158.88	158.80	148.99	143.64	-	4.17	4.19	3.88	3.77

See footnotes at end of table.

C-2: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry--Continued

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970	Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970
	<i>Nondurable Goods--Continued</i>										
27	PRINTING AND PUBLISHING	37.6	37.6	37.7	37.8	37.8	-	2.6	2.6	2.9	2.8
271	Newspapers.....	35.4	35.5	35.5	35.5	35.4	-	2.3	2.5	2.5	2.3
272	Periodicals.....	-	39.5	39.7	40.5	40.5	-	3.2	3.1	4.2	3.5
273	Books	-	39.7	39.4	39.5	38.8	-	3.5	3.3	3.1	2.6
275	Commercial printing	38.1	38.2	38.6	38.8	38.8	-	2.8	2.8	3.3	3.3
2751	Commercial printing, ex. lithographic	-	38.2	38.6	38.6	38.8	-	2.6	2.7	3.1	3.3
2752	Commercial printing, lithographic	-	38.5	38.6	39.2	38.9	-	3.1	3.0	3.8	3.4
278	Blankbooks and bookbinding	(*)	38.7	38.7	38.0	38.2	-	2.0	1.9	1.8	2.0
274,6,7,9	Other publishing & printing ind.....	37.6	37.7	37.7	37.9	37.9	-	2.1	2.1	2.4	2.6
28	CHEMICALS AND ALLIED PRODUCTS..	41.4	41.3	41.7	41.2	41.4	-	3.0	3.2	3.0	3.0
281	Industrial chemicals	(*)	41.8	42.2	41.9	42.2	-	3.3	3.5	3.4	3.5
2812	Alkalies and chlorine	-	42.7	42.6	44.1	43.8	-	-	-	-	-
2818	Industrial organic chemicals, n.e.c.	-	42.5	42.4	42.0	42.8	-	3.4	3.3	3.1	3.7
2819	Industrial inorganic chemicals, n.e.c.	-	41.0	41.3	41.0	41.1	-	2.9	2.9	3.1	3.2
282	Plastics materials and synthetics	(*)	41.7	42.1	41.2	41.7	-	3.1	3.1	2.8	2.7
2821	Plastics materials and resins	-	42.7	43.0	42.2	42.3	-	4.2	4.1	3.9	3.5
2823,4	Synthetic fibers	-	40.8	41.3	40.3	41.1	-	2.4	2.4	1.9	2.0
283	Drugs	(*)	40.2	40.5	39.9	40.0	-	2.4	2.7	2.0	2.0
2834	Pharmaceutical preparations	-	40.0	40.3	39.3	39.5	-	-	-	-	-
284	Soap, cleaners, and toilet goods	(*)	40.3	40.6	40.8	40.9	-	2.7	2.6	3.1	3.0
2841	Soap and other detergents	-	41.3	41.1	42.4	42.4	-	-	-	-	-
2844	Toilet preparations	-	39.2	40.3	40.2	39.9	-	-	-	-	-
285	Paints and allied products	41.0	41.7	41.4	41.3	41.5	-	3.0	3.2	3.4	3.6
287	Agricultural chemicals	(*)	40.7	42.1	41.0	41.2	-	3.0	3.9	3.6	3.7
2871,2	Fertilizers, complete & mixing only..	-	40.4	42.2	41.5	41.6	-	-	-	-	-
286,9	Other chemical products	42.3	41.8	42.0	40.8	40.6	-	3.1	3.3	2.6	2.5
2892	Explosives	-	41.6	41.9	40.0	39.3	-	-	-	-	-
29	PETROLEUM AND COAL PRODUCTS.....	42.3	42.8	42.6	43.2	43.4	-	3.8	3.5	4.0	3.9
291	Petroleum refining	(*)	42.2	42.1	42.4	42.6	-	2.8	2.6	2.8	2.8
295,9	Other petroleum and coal products	44.5	44.7	44.3	45.7	45.9	-	7.1	6.6	7.7	7.6
30	RUBBER AND PLASTICS PRODUCTS, NEC..	40.4	40.1	40.7	40.5	40.4	-	3.1	3.5	3.5	3.3
301	Tires and inner tubes	(*)	41.9	42.4	41.4	42.1	-	4.3	4.3	4.8	4.8
302,3,6	Other rubber products	(*)	39.1	40.0	40.6	40.4	-	2.0	2.7	3.1	2.8
302	Rubber footwear	-	38.0	38.4	39.2	40.1	-	2.4	2.1	2.2	2.3
307	Miscellaneous plastics products	40.5	39.9	40.4	40.1	39.7	-	3.2	3.6	3.4	3.1
31	LEATHER AND LEATHER PRODUCTS.....	38.0	38.3	38.1	36.9	37.9	-	1.9	1.9	1.5	1.6
311	Leather tanning and finishing	(*)	38.4	40.5	39.3	39.0	-	2.4	3.3	2.6	2.5
314	Footwear, except rubber	(*)	38.5	38.2	36.7	38.2	-	2.0	1.9	1.4	1.6
312,3,5-7,9	Other leather products	(*)	37.6	37.0	36.9	36.4	-	1.5	1.4	1.4	1.2
316	Luggage	-	37.5	36.0	35.9	35.7	-	1.7	1.0	.9	.8
317	Handbags and personal leather goods..	-	37.5	36.5	37.5	36.3	-	1.3	1.1	1.9	1.5
	TRANSPORTATION AND PUBLIC UTILITIES.....	40.6	39.3	40.7	40.6	41.1					
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	-	(*)	(*)	42.9	45.5	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT:										
411	Local and suburban transportation	-	42.9	42.2	42.8	43.0	-	-	-	-	-
413	Intercity highway transportation	-	42.4	41.4	43.3	41.6	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	-	42.3	42.3	42.0	42.1	-	-	-	-	-
421,3	Trucking and trucking terminals	-	42.5	42.6	42.2	42.2	-	-	-	-	-
422	Public warehousing	-	39.6	39.5	39.9	39.6	-	-	-	-	-
46	PIPE LINE TRANSPORTATION.....	-	42.4	41.1	41.7	41.7	-	-	-	-	-
48	COMMUNICATION	-	32.1	39.0	39.4	39.5	-	-	-	-	-
481	Telephone communication	-	31.1	39.1	39.4	39.6	-	-	-	-	-
4817	Switchboard operating employees ³	-	27.9	35.1	34.7	35.0	-	-	-	-	-
4818	Line construction employees ⁴	-	33.8	45.2	44.9	45.2	-	-	-	-	-
482	Telegraph communication ⁵	-	(*)	(*)	42.8	42.6	-	-	-	-	-
483	Radio and television broadcasting.....	-	38.1	37.9	38.4	38.1	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970	Aug. 1971 ^P	July 1971 ^P	June 1971	Aug. 1970	July 1970	
	TRANSPORTATION AND PUBLIC UTILITIES--Continued											
49	ELECTRIC, GAS, AND SANITARY SERVICES		\$185.47	\$184.68	\$173.06	\$172.22	-	\$4.48	\$4.45	\$4.17	\$4.14	
491	Electric companies and systems	-	192.36	192.89	177.24	177.24	-	4.58	4.56	4.23	4.23	
492	Gas companies and systems	-	166.06	166.46	156.65	156.91	-	4.08	4.06	3.83	3.79	
493	Combination companies and systems	-	199.43	197.72	186.64	185.06	-	4.90	4.87	4.53	4.47	
494-7	Water, steam, & sanitary systems	-	159.00	156.98	147.62	147.14	-	3.75	3.72	3.54	3.52	
-	WHOLESALE AND RETAIL TRADE.....	\$103.61	103.61	101.60	98.46	98.10	\$2.87	2.87	2.87	2.72	2.71	
50	WHOLESALE TRADE	146.80	146.43	146.40	138.35	137.83	3.67	3.67	3.66	3.45	3.42	
501	Motor vehicles & automotive equipment	-	136.28	136.55	130.97	130.15	-	3.39	3.38	3.21	3.19	
502	Drugs, chemicals, and allied products	-	147.43	146.29	141.51	140.66	-	3.79	3.79	3.61	3.57	
503	Dry goods and apparel	-	134.57	133.46	127.25	127.16	-	3.56	3.54	3.43	3.40	
504	Groceries and related products	-	142.39	140.30	131.46	130.06	-	3.49	3.49	3.23	3.18	
506	Electrical goods	-	131.95	142.80	136.53	134.97	-	3.50	3.50	3.33	3.30	
507	Hardware; plumbing & hearing equipment	-	142.31	141.86	134.13	132.00	-	3.54	3.52	3.32	3.30	
508	Machinery, equipment, and supplies	-	163.59	161.98	151.81	149.19	-	3.99	3.97	3.73	3.63	
509	Miscellaneous wholesalers	-	148.88	147.34	140.58	140.14	-	3.75	3.73	3.55	3.53	
52-59	RETAIL TRADE	90.04	89.78	87.72	85.75	84.91	2.58	2.58	2.58	2.45	2.44	
53	Retail general merchandise	-	82.66	80.57	79.44	78.63	-	2.52	2.51	2.40	2.39	
531	Department stores	-	86.30	84.64	83.20	82.04	-	2.68	2.67	2.56	2.54	
532	Mail order houses	-	104.88	102.85	96.49	96.63	-	2.76	2.75	2.58	2.57	
533	Variety stores	-	61.81	59.00	60.60	59.52	-	2.02	2.00	1.93	1.92	
54	Food stores	-	98.99	95.45	91.60	91.26	-	2.92	2.91	2.71	2.70	
541-3	Grocery, meat, and vegetable stores	-	101.57	97.68	93.50	93.09	-	2.97	2.96	2.75	2.73	
56	Apparel and accessory stores	-	77.26	75.92	74.25	74.81	-	2.37	2.38	2.25	2.26	
561	Men's & boys' clothing & furnishings	-	95.08	92.85	91.70	92.22	-	2.78	2.78	2.62	2.65	
562	Women's ready-to-wear stores	-	68.86	67.76	65.84	66.36	-	2.20	2.20	2.09	2.10	
565	Family clothing stores	-	75.90	74.21	71.55	72.73	-	2.20	2.17	2.05	2.09	
566	Shoe stores	-	75.28	76.01	75.21	75.21	-	2.36	2.46	2.30	2.30	
57	Furniture and home furnishings stores	-	118.04	115.13	111.97	110.54	-	3.09	3.07	2.97	2.94	
571	Furniture and home furnishings	-	116.73	114.20	112.05	110.63	-	3.08	3.07	2.98	2.95	
58	Eating and drinking places ⁶	-	62.53	60.65	61.19	59.94	-	1.93	1.95	1.86	1.85	
52,55,59	Other retail trade	-	110.97	108.87	104.99	104.88	-	2.86	2.85	2.72	2.71	
52	Building materials and farm equipment	-	123.19	120.29	114.05	114.09	-	2.99	2.97	2.83	2.81	
551,2	Motor vehicle dealers	-	145.25	144.84	135.86	136.94	-	3.56	3.55	3.33	3.34	
553,9	Other automotive & accessory dealers	-	125.21	123.19	115.09	113.84	-	2.96	2.94	2.76	2.73	
591	Drug stores and proprietary stores	-	81.83	79.63	78.49	78.02	-	2.45	2.45	2.35	2.35	
594	Book and stationery stores	-	93.26	91.12	90.21	90.82	-	2.68	2.68	2.57	2.58	
598	Fuel and ice dealers	-	126.39	126.16	117.65	118.17	-	3.30	3.32	3.04	3.03	
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	123.13	122.06	121.36	113.65	112.98	3.31	3.29	3.28	3.08	3.07	
60	Banking	-	108.04	107.01	103.79	102.86	-	2.92	2.90	2.79	2.78	
61	Credit agencies other than banks	-	113.54	111.97	106.69	105.00	-	2.98	2.97	2.83	2.80	
612	Savings and loan associations	-	112.64	110.26	103.88	102.95	-	2.98	2.98	2.80	2.76	
62	Security, commodity brokers & services	-	202.54	203.86	161.25	166.13	-	5.43	5.48	4.37	4.49	
63	Insurance carriers	-	128.04	126.27	122.84	121.77	-	3.47	3.45	3.32	3.30	
631	Life insurance	-	130.68	127.09	124.83	124.10	-	3.60	3.56	3.42	3.40	
632	Accident and health insurance	-	122.06	121.23	114.25	112.98	-	3.29	3.25	3.13	3.07	
633	Fire, marine, and casualty insurance	-	126.79	126.79	123.33	121.97	-	3.39	3.39	3.28	3.27	
-	SERVICES	104.05	103.36	101.57	98.70	97.72	2.99	2.97	2.97	2.82	2.80	
	Hotels and other lodging places:											
701	Hotels, tourist courts, and motels ⁶	-	73.78	71.95	69.65	68.45	-	2.09	2.11	1.94	1.95	
	Personal Services:											
721	Laundries and dry cleaning plants	-	82.59	82.36	78.84	78.26	-	2.32	2.32	2.19	2.18	
722	Photographic studios	-	97.58	100.01	92.56	94.10	-	2.78	2.74	2.60	2.55	
	Motion pictures:											
781	Motion picture filming & distributing	-	182.90	179.82	192.23	193.52	-	4.93	4.86	4.77	4.72	
806	Hospitals	-	104.05	102.42	98.14	98.48	-	2.99	2.96	2.82	2.83	

See footnotes at end of table.

C-2: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry--Continued

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970	Aug. 1971 ^p	July 1971 ^p	June 1971	Aug. 1970	July 1970
	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	41.4	41.5	41.5	41.6	-	-	-	-	-
491	Electric companies and systems.....	-	42.0	42.3	41.9	41.9	-	-	-	-	-
492	Gas companies and systems.....	-	40.7	41.0	40.9	41.4	-	-	-	-	-
493	Combination companies and systems..	-	40.7	40.6	41.2	41.4	-	-	-	-	-
494-7	Water, steam & sanitary systems.....	-	42.4	42.2	41.7	41.8	-	-	-	-	-
	WHOLESALE AND RETAIL TRADE	36.1	36.1	35.4	36.2	36.2					
50	WHOLESALE TRADE	40.0	39.9	40.0	40.1	40.3	-	-	-	-	-
501	Motor vehicles & automotive equipment..	-	40.2	40.4	40.8	40.8	-	-	-	-	-
502	Drugs, chemicals, and allied products...	-	38.9	38.6	39.2	39.4	-	-	-	-	-
503	Dry goods and apparel.....	-	37.8	37.7	37.1	37.4	-	-	-	-	-
504	Groceries and related products.....	-	40.8	40.2	40.7	40.9	-	-	-	-	-
506	Electrical goods.....	-	37.7	40.8	41.0	40.9	-	-	-	-	-
507	Hardware; plumbing & heating equipment	-	40.2	40.3	40.4	40.0	-	-	-	-	-
508	Machinery, equipment, and supplies....	-	41.0	40.8	40.7	41.1	-	-	-	-	-
509	Miscellaneous wholesalers.....	-	39.7	39.5	39.6	39.7	-	-	-	-	-
52-59	RETAIL TRADE	34.9	34.8	34.0	35.0	34.8	-	-	-	-	-
53	Retail general merchandise.....	-	32.8	32.1	33.1	32.9	-	-	-	-	-
531	Department stores.....	-	32.2	31.7	32.5	32.3	-	-	-	-	-
532	Mail order houses.....	-	38.0	37.4	37.4	37.6	-	-	-	-	-
533	Variety stores.....	-	30.6	29.5	31.4	31.0	-	-	-	-	-
54	Food stores.....	-	33.9	32.8	33.8	33.8	-	-	-	-	-
541-3	Grocery, meat, and vegetable stores...	-	34.2	33.0	34.0	34.1	-	-	-	-	-
56	Apparel and accessory stores.....	-	32.6	31.9	33.0	33.1	-	-	-	-	-
561	Men's & boys' clothing & furnishings..	-	34.2	33.4	35.0	34.8	-	-	-	-	-
562	Women's ready-to-wear stores.....	-	31.3	30.8	31.5	31.6	-	-	-	-	-
565	Family clothing stores.....	-	34.5	34.2	34.9	34.8	-	-	-	-	-
566	Shoe stores.....	-	31.9	30.9	32.7	32.7	-	-	-	-	-
57	Furniture and home furnishings stores..	-	38.2	37.5	37.7	37.6	-	-	-	-	-
571	Furniture and home furnishings.....	-	37.9	37.2	37.6	37.5	-	-	-	-	-
58	Eating and drinking places ⁶	-	32.4	31.1	32.9	32.4	-	-	-	-	-
52,55,59	Other retail trade	-	38.8	38.2	38.6	38.7	-	-	-	-	-
52	Building materials and farm equipment	-	41.2	40.5	40.3	40.6	-	-	-	-	-
551.2	Motor vehicle dealers.....	-	40.8	40.8	40.8	41.0	-	-	-	-	-
553.9	Other automotive & accessory dealers..	-	42.3	41.9	41.7	41.7	-	-	-	-	-
591	Drug stores and proprietary stores...	-	33.4	32.5	33.4	33.2	-	-	-	-	-
594	Book and stationery stores.....	-	34.8	34.0	35.1	35.2	-	-	-	-	-
598	Fuel and ice dealers.....	-	38.3	38.0	38.7	39.0	-	-	-	-	-
	FINANCE, INSURANCE, AND REAL ESTATE⁷	37.2	37.1	37.0	36.9	36.8					
60	Banking.....	-	37.0	36.9	37.2	37.0	-	-	-	-	-
61	Credit agencies other than banks.....	-	38.1	37.7	37.7	37.5	-	-	-	-	-
612	Savings and loan associations.....	-	37.8	37.0	37.1	37.3	-	-	-	-	-
62	Security, commodity brokers & services..	-	37.3	37.2	36.9	37.0	-	-	-	-	-
63	Insurance carriers.....	-	36.9	36.6	37.0	36.9	-	-	-	-	-
631	Life insurance.....	-	36.3	35.7	36.5	36.5	-	-	-	-	-
632	Accident and health insurance.....	-	37.1	37.3	36.5	36.8	-	-	-	-	-
633	Fire, marine, and casualty insurance..	-	37.4	37.4	37.6	37.3	-	-	-	-	-
	SERVICES	34.8	34.8	34.2	35.0	34.9					
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶ ...	-	35.3	34.1	35.9	35.1	-	-	-	-	-
721	Personal Services: Laundries & dry cleaning plants.....	-	35.6	35.5	36.0	35.9	-	-	-	-	-
722	Photographic studios.....	-	35.1	36.5	35.6	36.9	-	-	-	-	-
781	Motion pictures: Motion picture filming & distributing..	-	37.1	37.0	40.3	41.0	-	-	-	-	-
806	Hospitals.....	-	34.8	34.6	34.8	34.8	-	-	-	-	-

¹ For coverage of series, see footnote 1, table B-2.² Beginning January 1965, data relate to railroads with operating revenues of \$5,000,000 or more.³ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1968, such employees made up 32 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.⁴ Data relate to employees in such occupations in the telephone industry as central office craftsmen; installation and exchange repair craftsmen; line, cable, and conduit craftsmen; and laborers. In 1968, such employees made up 32 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.⁵ Data relate to nonsupervisory employees except messengers.⁶ Money payments only; tips, not included.⁷ Data for nonoffice salesmen excluded from all series in this division.

* Not available.

p-preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

98

C-3: Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government

(Employment in thousands—includes both supervisory and nonsupervisory employees)

Item	1971						1970						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
EXECUTIVE BRANCH													
Total employment	2,634.5	2,620.7	2,622.9	2,610.8	2,608.4	2,602.2	2,656.6	2,611.1	2,606.6	2,611.9	2,637.4	2,662.9	2,672.7
Average weekly hours	39.2	39.2	39.2	39.3	39.5	39.3	42.9	39.7	39.6	39.4	39.2	39.3	38.9
Average overtime hours . . . . .	.8	.9	.8	.8	.8	.9	3.8	.9	1.0	.9	.9	.8	.8
Indexes (1967=100):													
Average weekly earnings	138.8	139.6	139.0	139.5	139.8	138.8	149.5	134.8	133.1	131.9	128.8	127.0	127.3
Average hourly earnings	139.5	140.3	139.7	139.1	139.5	139.2	137.3	133.8	132.4	131.9	129.5	127.3	128.9
DEPARTMENT OF DEFENSE													
Total employment	999.7	999.7	1,001.5	1,000.5	998.9	999.9	1,003.8	1,006.8	1,009.1	1,013.4	1,021.9	1,034.5	1,044.7
Average weekly hours	39.8	39.9	39.8	40.1	40.1	40.0	40.0	40.2	40.2	39.9	40.0	39.9	39.3
Average overtime hours . . . . .	.9	.9	.7	.8	.8	.8	.8	.8	.8	.8	.7	.7	.8
Indexes (1967=100):													
Average weekly earnings	139.9	141.1	140.7	141.3	141.5	140.1	136.8	135.1	132.4	131.4	128.5	127.9	129.4
Average hourly earnings	141.7	142.5	142.5	142.0	142.2	141.1	137.9	135.4	132.7	132.7	129.4	129.2	132.7
POSTAL SERVICE													
Total employment	714.1	715.7	718.2	718.0	718.7	720.6	776.8	725.0	718.0	718.7	723.5	726.8	723.9
Average weekly hours	38.4	38.5	38.5	38.3	39.2	38.8	51.3	39.5	39.1	38.9	38.8	38.5	38.7
Average overtime hours . . . . .	.7	.9	.9	.7	.8	1.1	11.4	1.2	1.5	.9	.9	.7	.9
Indexes (1967=100):													
Average weekly earnings	135.0	135.9	135.6	134.6	137.8	136.1	195.7	136.3	135.6	133.7	132.7	121.6	123.2
Average hourly earnings	135.7	136.3	136.0	135.7	135.7	135.4	147.3	133.2	133.8	132.6	132.0	122.0	122.9
OTHER AGENCIES													
Total employment	920.7	905.3	903.2	892.3	890.8	881.7	876.0	879.3	879.5	879.8	892.0	901.6	904.1
Average weekly hours	39.1	39.1	39.2	39.2	39.2	39.1	39.1	39.2	39.2	39.2	38.5	39.2	38.6
Average overtime hours . . . . .	.9	.9	.8	.8	.8	.8	.8	.9	1.0	1.1	.9	1.0	.9
Indexes (1967=100):													
Average weekly earnings	141.4	142.4	141.5	141.5	142.3	141.9	134.4	135.0	133.5	133.0	127.7	131.0	129.5
Average hourly earnings	140.3	141.3	140.3	140.1	140.8	140.8	133.4	133.7	132.2	131.7	128.7	129.7	130.2

NOTE: Averages presented in this table have been computed using data collected by the U.S. Civil Service Commission from all agencies of the executive branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these averages relate to hours and earnings of all workers, both supervisory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers.

C-4: Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry

Major industry group	Average hourly earnings excluding overtime ¹				
	Aug. 1971 P	July 1971 P	June 1971	Aug. 1970	July 1970
MANUFACTURING	\$3.45	\$3.44	\$3.44	\$3.24	\$3.25
DURABLE GOODS	3.68	3.66	3.67	3.45	3.44
Ordnance and accessories		3.79	3.74	3.52	3.51
Lumber and wood products		3.03	3.04	2.92	2.87
Furniture and fixtures		2.83	2.81	2.72	2.71
Stone, clay, and glass products		3.51	3.47	3.26	3.24
Primary metal industries		4.04	4.04	3.84	3.80
Fabricated metal products		3.60	3.61	3.42	3.40
Machinery, except electrical		3.88	3.87	3.65	3.65
Electrical equipment and supplies		3.43	3.41	3.22	3.22
Transportation equipment		4.23	4.26	3.94	3.91
Instruments and related products		3.47	3.44	3.29	3.25
Miscellaneous manufacturing industries	-	2.88	2.87	2.75	2.75
NONDURABLE GOODS	3.15	3.16	3.13	2.97	2.98
Food and kindred products		3.22	3.22	2.97	3.01
Tobacco manufactures		3.19	3.22	2.71	2.97
Textile mill products		2.45	2.45	2.34	2.34
Apparel and other textile products		2.43	2.43	2.36	2.35
Paper and allied products		3.51	3.48	3.31	3.29
Printing and publishing		(2)	(2)	(2)	(2)
Chemicals and allied products		3.84	3.80	3.60	3.58
Petroleum and coal products		4.41	4.40	4.08	4.08
Rubber and plastics products, n e c	-	3.31	3.24	3.09	3.09
Leather and leather products	-	2.51	2.51	2.43	2.43

¹Derived by assuming that overtime hours are paid at the rate of time and one-half.

²Not available as average overtime rates are significantly above time and one-half. Inclusion of data for the group in the nondurable goods total has little effect.

p = preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**
**C-5: Gross and spendable average weekly earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, in current and 1967 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Worker with three dependents		
	July 1971 ^p	June 1971	July 1970	July 1971 ^p	June 1971	July 1970	July 1971 ^p	June 1971	July 1970
TOTAL PRIVATE:									
Current dollars.....	\$ 127.57	\$ 127.22	\$ 121.45	\$ 103.14	\$ 102.87	\$ 97.43	\$ 111.73	\$ 111.45	\$ 106.18
1967 dollars.....	104.74	104.71	104.07	84.68	84.67	83.49	91.73	91.73	90.99
MINING:									
Current dollars.....	172.53	172.10	163.50	138.05	137.71	128.98	148.40	148.04	139.76
1967 dollars.....	141.65	141.65	140.10	113.34	113.34	110.52	121.84	121.84	119.76
CONTRACT CONSTRUCTION:									
Current dollars.....	216.79	213.94	200.45	172.85	170.62	156.71	185.34	182.97	170.07
1967 dollars.....	177.99	176.08	171.77	141.91	140.43	134.28	152.17	150.59	145.73
MANUFACTURING:									
Current dollars.....	142.09	143.51	134.46	114.25	115.34	107.17	123.35	124.48	116.48
1967 dollars.....	116.66	118.12	115.22	93.80	94.93	91.83	101.27	102.45	99.81
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars.....	163.49	166.87	159.06	130.89	133.57	125.56	140.86	143.68	136.10
1967 dollars.....	134.23	137.34	136.30	107.46	109.93	107.59	115.65	118.26	116.62
WHOLESALE AND RETAIL TRADE:									
Current dollars.....	103.61	101.60	98.10	85.19	83.69	79.91	93.07	91.49	87.81
1967 dollars.....	85.07	83.62	84.06	69.94	68.88	68.47	76.41	75.30	75.24
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars.....	122.06	121.36	112.98	98.92	98.39	91.08	107.43	106.88	99.48
1967 dollars.....	100.21	99.88	96.81	81.22	80.98	78.05	88.20	87.97	85.24
SERVICES:									
Current dollars.....	103.36	101.57	97.72	85.00	83.67	79.62	92.88	91.47	87.51
1967 dollars.....	84.86	83.60	83.74	69.79	68.86	68.23	76.26	75.28	74.99
CONSUMER PRICE INDEX (All items, 1967 = 100).....	121.8	121.5	116.7	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.					

¹For coverage of series, see footnote 1, table B-2.
p = preliminary (applicable to earnings data only).

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

100

**C-6: Indexes of aggregate weekly man-hours and payrolls of production or nonsupervisory workers¹
on private nonagricultural payrolls**

1967 = 100

Industry division and group	August 1971 P	July 1971 P	June 1971	August 1970	July 1970
	Man-hours				
TOTAL . . .	105.4	104.3	104.9	105.9	105.9
GOODS-PRODUCING . . .	96.2	94.0	96.3	99.4	98.5
MINING	99.5	98.5	102.8	103.2	103.5
CONTRACT CONSTRUCTION	110.6	109.1	106.3	114.4	112.9
MANUFACTURING	93.6	91.2	94.3	96.6	95.8
DURABLE GOODS	88.6	87.5	91.4	92.9	93.6
Ordnance and accessories	55.6	52.7	54.4	69.0	69.2
Lumber and wood products	101.9	99.5	100.7	96.5	95.1
Furniture and fixtures	104.1	97.3	100.1	98.3	93.7
Stone, clay, and glass products	104.2	102.3	103.8	103.4	102.1
Primary metal industries	85.7	91.1	96.6	96.5	98.1
Fabricated metal products	94.1	92.4	95.7	97.9	96.8
Machinery, except electrical	79.7	79.6	81.3	89.2	91.8
Electrical equipment	87.7	85.8	88.6	94.9	94.8
Transportation equipment	83.9	82.2	92.0	83.2	88.1
Instruments and related products	89.7	87.1	87.9	93.6	94.3
Miscellaneous manufacturing	97.5	89.5	93.2	97.2	91.6
NONDURABLE GOODS	100.8	96.7	98.5	102.0	98.9
Food and kindred products	110.4	101.0	97.7	111.7	102.4
Tobacco manufactures	83.6	64.0	72.2	103.5	79.5
Textile mill products	98.8	95.9	100.2	98.3	96.6
Apparel and other textile products	95.7	90.7	95.9	96.4	92.7
Paper and allied products	99.2	97.1	99.2	101.3	100.5
Printing and publishing	98.5	97.7	98.9	100.8	100.7
Chemicals and allied products	97.9	98.0	99.8	101.1	101.6
Petroleum and coal products	103.0	104.8	190.6	105.5	106.9
Rubber and plastics products, nec	111.6	108.6	111.5	109.1	108.6
Leather and leather products	88.9	85.1	88.3	88.0	89.6
SERVICE-PRODUCING	111.7	111.5	110.8	110.4	111.0
TRANSPORTATION AND PUBLIC UTILITIES	105.5	102.6	106.8	107.6	109.3
WHOLESALE AND RETAIL TRADE	109.4	109.3	107.8	107.9	108.3
WHOLESALE TRADE	108.4	108.0	107.5	108.6	109.5
RETAIL TRADE	109.8	109.8	108.0	107.7	107.8
FINANCE, INSURANCE, AND REAL ESTATE	119.3	119.0	117.7	115.3	115.4
SERVICES	115.5	116.4	114.7	113.7	114.2

¹ For coverage of series, see footnote 1, table B-2, preliminary.

**C-6: Indexes of aggregate weekly man-hours and payrolls of production or nonsupervisory workers¹
on private nonagricultural payrolls--Continued**

1967 = 100

Industry division and group	August 1971 ^P	July 1971 ^P	June 1971	August 1970	July 1970
	Payrolls				
TOTAL	135.4	133.4	133.9	128.3	127.6
GOODS-PRODUCING	125.6	122.4	124.6	121.7	120.1
MINING	127.3	125.2	130.4	124.2	124.0
CONTRACT CONSTRUCTION	154.7	150.8	145.5	147.9	143.4
MANUFACTURING	118.1	115.0	119.0	114.9	114.0
DURABLE GOODS	112.3	110.2	115.7	110.6	111.3
Ordnance and accessories	68.4	64.4	65.8	78.5	78.3
Lumber and wood products	137.3	133.2	135.0	124.2	119.8
Furniture and fixtures	131.9	121.8	124.8	118.5	112.1
Stone, clay, and glass products	137.8	134.4	135.3	125.9	123.7
Primary metal industries	110.3	113.9	121.7	115.0	115.7
Fabricated metal products	117.9	115.8	120.5	117.0	115.2
Machinery, except electrical	100.7	99.9	101.7	105.5	108.6
Electrical equipment	111.8	108.4	111.7	113.2	113.4
Transportation equipment	107.5	104.9	118.7	99.2	104.5
Instruments and related products	111.7	108.4	108.8	111.0	110.4
Miscellaneous manufacturing	121.9	112.1	117.1	116.7	109.7
NONDURABLE GOODS	128.1	123.3	124.7	122.3	118.7
Food and kindred products	140.2	129.6	125.1	132.4	122.6
Tobacco manufactures	116.9	93.1	104.9	126.8	106.1
Textile mill products	123.7	119.3	125.0	116.5	114.2
Apparel and other textile products	117.4	110.2	116.7	114.1	108.9
Paper and allied products	128.5	125.2	126.6	123.1	121.3
Printing and publishing	126.3	125.3	126.6	121.3	120.5
Chemicals and allied products	125.2	125.6	126.7	121.5	121.5
Petroleum and coal products	133.0	134.9	132.6	125.8	127.3
Rubber and plastics products, nec	139.5	136.0	137.3	128.2	127.1
Leather and leather products	110.8	106.1	110.0	105.6	107.6
SERVICE-PRODUCING	143.8	142.9	141.9	134.0	134.0
TRANSPORTATION AND PUBLIC UTILITIES	136.4	132.0	135.5	129.8	130.7
WHOLESALE AND RETAIL TRADE	140.0	139.8	137.8	130.8	130.6
WHOLESALE TRADE	138.3	137.7	136.6	130.4	130.1
RETAIL TRADE	140.9	140.9	138.4	131.0	130.9
FINANCE, INSURANCE, AND REAL ESTATE	152.9	151.6	149.5	137.6	137.1
SERVICES	150.6	151.1	149.1	139.9	139.8

¹ For coverage of series, see footnote 1, table B-2, preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS

**C-7: Average weekly hours of production or nonsupervisory workers¹
on private nonagricultural payrolls, seasonally adjusted**

Industry	1971								1970				
	Aug. ^P	July ^P	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
TOTAL PRIVATE.	37.0	36.9	37.0	36.9	37.0	36.9	36.9	36.9	37.0	36.9	36.9	36.7	37.1
MINING	42.1	42.2	42.3	42.4	42.2	42.8	42.6	42.9	42.8	42.7	42.7	42.1	42.3
CONTRACT CONSTRUCTION	37.2	37.1	37.2	36.8	37.1	37.8	36.8	37.6	37.7	37.2	37.0	35.0	37.3
MANUFACTURING	39.9	40.0	40.0	40.0	39.8	39.8	39.8	39.8	39.5	39.6	39.4	39.3	39.8
<i>Overtime hours</i>	2.8	2.9	2.9	3.0	2.9	2.9	2.8	2.8	2.7	2.7	2.8	2.8	2.9
DURABLE GOODS	40.3	40.4	40.6	40.5	40.3	40.4	40.3	40.3	40.0	40.0	39.9	39.8	40.2
<i>Overtime hours</i>	2.8	2.8	2.9	2.9	2.8	2.8	2.8	2.7	2.6	2.5	2.6	2.7	2.9
Ordnance and accessories	42.4	41.9	41.6	41.5	41.5	41.9	41.4	41.1	40.7	40.4	40.2	39.7	40.4
Lumber and wood products	40.5	40.3	40.4	39.8	40.1	39.9	39.8	39.8	39.7	39.8	39.3	39.5	39.7
Furniture and fixtures	40.6	40.1	39.9	39.9	39.5	39.7	39.6	39.5	39.5	39.3	39.2	38.3	39.0
Stone, clay, and glass products	41.8	41.8	42.0	41.4	41.1	41.7	41.3	41.2	41.3	41.1	41.0	40.9	41.0
Primary metal industries	39.7	40.5	41.0	41.0	41.0	40.8	40.6	40.3	39.9	39.6	39.9	41.0	40.4
Fabricated metal products	40.4	40.7	40.6	40.7	40.1	40.3	40.4	40.4	40.2	40.1	40.2	39.8	40.6
Machinery, except electrical	41.0	40.7	40.7	40.5	40.0	40.2	40.1	40.2	40.3	40.6	40.4	40.1	40.9
Electrical equipment and supplies	39.8	40.0	39.9	39.9	39.8	39.7	39.7	39.7	39.7	39.7	39.7	39.0	39.7
Transportation equipment	40.2	39.6	41.4	41.1	40.6	41.7	41.5	41.3	40.2	40.0	39.9	39.8	40.6
Instruments and related products	40.3	39.9	39.7	40.0	39.7	39.7	39.7	39.8	39.6	39.9	39.8	39.4	40.0
Miscellaneous manufacturing industries	39.3	39.2	38.7	38.9	38.6	38.8	38.4	38.6	38.7	38.5	38.4	38.1	38.6
NONDURABLE GOODS	39.3	39.2	39.3	39.4	39.2	39.1	39.1	39.2	39.0	39.0	38.9	38.6	39.1
<i>Overtime hours</i>	2.9	3.0	3.1	3.0	2.9	2.9	2.9	2.9	2.7	2.8	2.8	2.8	3.0
Food and kindred products	40.5	40.4	40.4	40.5	40.5	40.5	40.7	40.7	40.5	40.4	40.5	40.0	40.6
Tobacco manufactures	37.3	37.0	36.2	38.3	37.5	38.0	36.1	39.1	39.3	38.4	38.0	36.4	37.4
Textile mill products	40.5	40.3	40.8	40.8	40.4	40.3	40.2	40.4	39.7	39.7	39.6	38.9	39.8
Apparel and other textile products	35.8	35.8	35.4	35.5	35.1	35.2	35.0	35.2	35.3	35.3	35.0	34.1	35.2
Paper and allied products	42.4	42.4	42.3	42.1	42.3	41.9	41.8	41.7	41.4	41.7	41.6	41.5	41.8
Printing and publishing	37.4	37.6	37.7	37.7	37.5	37.5	37.4	37.6	37.5	37.5	37.4	37.4	37.6
Chemicals and allied products	41.6	41.4	41.7	41.5	41.7	41.4	41.5	41.5	41.4	41.3	41.3	42.0	41.4
Petroleum and coal products	43.1	42.4	42.3	41.7	41.7	41.9	42.9	42.5	43.3	42.8	43.1	43.5	44.0
Rubber and plastics products, nec	40.2	40.3	40.7	40.4	40.3	40.3	39.9	40.1	39.6	39.5	39.6	40.0	40.3
Leather and leather products	38.0	37.8	37.5	37.8	38.3	37.4	36.9	37.1	37.2	37.1	37.0	36.6	36.9
TRANSPORTATION AND PUBLIC UTILITIES	40.4	38.9	40.6	40.5	40.5	40.5	40.3	40.0	40.3	40.3	40.2	40.5	40.4
WHOLESALE AND RETAIL TRADE	35.2	35.3	35.2	35.1	35.2	35.0	35.1	35.1	35.1	35.2	35.2	35.2	35.2
WHOLESALE TRADE	39.8	39.6	39.9	39.8	39.6	39.7	39.7	39.7	39.8	39.8	39.9	39.7	39.9
RETAIL TRADE	33.8	33.8	33.7	33.7	33.7	33.5	33.6	33.6	33.7	33.7	33.8	33.7	33.9
FINANCE, INSURANCE, AND REAL ESTATE	37.2	37.1	37.0	37.0	36.9	36.9	36.8	36.7	36.7	36.7	36.7	36.7	36.9
SERVICES	34.4	34.4	34.1	34.1	34.1	34.0	34.2	34.2	34.3	34.3	34.3	34.4	34.6

¹For coverage of series, see footnote 1, table B-2.
p = preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED
**C-8: Indexes of aggregate weekly man-hours of production or nonsupervisory workers¹
 on private nonagricultural payrolls, seasonally adjusted**

Industry division and group	1971								1970				
	Aug. P	July P	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
TOTAL	102.9	102.5	103.1	103.2	102.7	102.5	102.3	102.5	102.4	101.6	101.9	102.5	103.5
GOODS-PRODUCING	93.2	93.2	94.1	94.4	93.7	93.7	93.1	94.2	94.1	92.1	92.6	94.4	96.5
MINING	96.1	94.8	99.0	100.1	99.7	100.9	100.4	101.7	101.3	101.1	100.8	99.2	99.5
CONTRACT CONSTRUCTION	97.1	97.4	98.5	98.3	99.3	100.3	95.1	100.3	101.5	99.9	99.0	93.3	100.4
MANUFACTURING	92.4	92.4	93.1	93.5	92.5	92.4	92.5	92.9	92.6	90.4	91.1	94.4	95.7
DURABLE GOODS	88.8	89.0	90.0	90.2	88.9	88.9	89.3	89.6	89.3	85.7	87.1	92.6	93.8
Ordnance and accessories	56.6	54.2	54.4	56.0	55.4	57.1	58.1	61.1	62.2	63.4	65.3	67.8	70.1
Lumber and wood products	97.6	96.7	95.8	93.6	93.8	93.1	92.7	92.1	91.3	92.5	91.5	92.2	92.4
Furniture and fixtures	102.2	100.7	99.6	98.9	97.1	97.0	96.5	96.6	96.6	96.8	96.6	95.4	96.4
Stone, clay, and glass products	99.9	99.3	100.8	99.9	98.4	98.7	98.1	98.3	98.7	98.0	98.8	99.5	99.2
Primary metal industries	85.3	89.9	93.8	95.3	94.9	93.9	93.0	92.3	90.9	89.5	93.0	99.3	96.2
Fabricated metal products	94.2	95.0	94.1	95.0	93.0	90.4	93.0	93.1	93.0	90.0	91.9	96.6	98.0
Machinery, except electrical	81.6	80.8	80.5	80.6	79.8	80.9	81.4	82.7	84.2	85.6	86.3	88.6	91.3
Electrical equipment	87.4	88.0	88.5	88.9	88.2	87.6	87.9	88.4	89.1	88.4	91.4	92.0	94.6
Transportation equipment	87.9	86.9	90.9	90.8	87.7	90.1	90.5	90.6	87.6	67.8	67.9	89.0	91.6
Instruments and related products	89.8	88.3	87.5	87.8	86.5	86.5	87.5	89.1	89.0	90.3	91.1	91.9	94.0
Miscellaneous manufacturing	94.3	93.1	92.2	92.7	91.7	91.9	91.5	92.0	92.5	90.9	91.8	92.5	94.3
NONDURABLE GOODS	97.6	97.3	97.7	98.3	97.8	97.4	97.3	97.7	97.3	97.3	97.1	97.1	98.4
Food and kindred products	99.4	98.8	98.0	98.8	98.5	98.8	99.4	99.5	99.0	98.7	98.3	97.7	99.6
Tobacco manufactures	73.3	74.1	81.4	87.4	86.9	85.4	83.7	89.3	91.1	90.3	88.1	84.3	90.6
Textile mill products	98.0	97.6	98.4	99.2	97.6	97.3	97.3	98.2	96.2	96.1	96.2	95.1	97.3
Apparel and other textile products	93.9	94.1	94.4	95.9	94.7	94.6	93.4	93.8	94.5	94.2	93.1	91.5	94.4
Paper and allied products	97.7	97.0	97.7	97.0	99.0	97.9	98.2	98.3	97.8	99.1	98.6	99.5	99.9
Printing and publishing	98.0	98.1	99.1	99.1	98.4	98.7	98.9	99.5	99.7	99.6	99.6	100.2	100.3
Chemicals and allied products	97.5	97.9	99.1	99.1	98.9	98.1	98.8	99.1	98.9	99.3	100.2	102.7	100.7
Petroleum and coal products	101.3	99.7	99.5	98.9	98.9	99.4	103.5	100.8	102.7	100.6	100.4	101.4	103.5
Rubber and plastics products, nec	110.1	110.9	111.3	110.2	108.7	108.0	105.2	105.2	103.7	103.4	104.2	107.6	108.0
Leather and leather products	87.9	85.5	85.7	86.8	87.6	84.5	83.7	84.5	84.4	85.2	85.9	85.6	86.6
SERVICE-PRODUCING	109.7	109.0	109.4	109.3	108.9	108.5	108.6	108.3	108.1	108.2	108.3	108.2	108.4
TRANSPORTATION AND PUBLIC UTILITIES	103.6	100.0	105.2	105.4	105.1	105.5	105.0	103.8	103.0	104.5	104.7	105.6	105.5
WHOLESALE AND RETAIL TRADE	107.2	106.9	106.8	106.9	106.4	105.8	105.8	105.7	105.5	105.3	105.9	105.4	105.8
WHOLESALE TRADE	106.6	105.7	106.6	107.4	106.5	106.8	106.4	106.5	106.8	106.6	107.1	106.3	106.7
RETAIL TRADE	107.4	107.3	106.8	106.8	106.4	105.5	105.6	105.4	105.0	104.7	105.4	105.0	105.5
FINANCE, INSURANCE, AND REAL ESTATE	116.9	116.7	116.7	116.1	115.1	114.6	114.2	113.7	113.4	113.2	112.9	112.8	112.9
SERVICES	113.7	113.8	112.7	112.4	112.3	111.8	112.4	112.3	112.5	112.3	112.0	111.9	112.1

¹ For coverage of series, see footnote 1, table B-2.
 p-preliminary.

C-9: Man-hours of wage and salary workers¹ in nonagricultural establishments

Industry division	Annual rate, millions of man-hours ²			Percent change ³		
	August 1971 P	July 1971 P	June 1971	July 1971 to August 1971	June 1971 to July 1971	August 1970 to August 1971
TOTAL - ALL INDUSTRIES	137,935	138,035	137,992	- 0.9	0.4	- 0.2
TOTAL - PRIVATE	111,585	111,726	111,823	- 1.5	- 1.0	- 0.7
MINING	1,335	1,314	1,362	21.0	-35.0	- 1.7
CONTRACT CONSTRUCTION	6,215	6,227	6,296	- 2.3	-12.4	- 3.0
MANUFACTURING	38,254	38,384	38,545	- 4.0	- 4.9	- 3.8
TRANSPORTATION AND PUBLIC UTILITIES	9,355	9,359	9,500	- 0.5	-16.4	- 2.0
WHOLESALE AND RETAIL TRADE	27,791	27,809	27,703	- 0.8	4.7	1.2
FINANCE, INSURANCE, AND REAL ESTATE	7,357	7,341	7,325	2.6	2.7	4.5
SERVICES	21,278	21,292	21,092	- 0.8	12.0	2.4
GOVERNMENT	26,350	26,309	26,169	1.9	6.6	1.8

¹ Data refer to hours paid for all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See BLS Handbook of Methods for Surveys and Studies—Chapter 22, Output Per Man-Hour Measures, Private Economy.

² "Annual rate" refers to total man-hours for 1 week in the month, seasonally adjusted, and expressed as an annual equivalent.

³ Percent change compounded at annual rates.
 p-preliminary.

SOURCE: Bureau of Labor Statistics, Office of Productivity and Technology.

**OUTPUT PER MAN-HOUR
SEASONALLY ADJUSTED**

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**C-10: Output per man-hour, hourly compensation, and unit labor costs,
private economy, seasonally adjusted**

(Indexes 1967 = 100)

Year and quarter	Output		Man-hours		Output per man-hour		Compensation per man-hour ¹		Real compensation per man-hour ²		Unit labor costs		Unit nonlabor payments ³		Implicit price deflator	
	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm
1968: 1st quarter	102.6	102.8	100.8	100.9	101.8	101.8	104.3	104.5	101.9	102.1	102.5	102.6	101.6	101.3	102.1	102.1
2d quarter	104.6	104.9	101.8	102.0	102.7	102.9	106.3	106.1	102.6	102.5	103.4	103.1	102.5	102.8	103.1	103.0
3d quarter	105.6	105.9	102.3	102.7	103.3	103.1	108.5	108.0	103.5	103.0	105.1	104.7	102.2	102.7	104.0	103.9
4th quarter	106.3	106.6	102.6	103.0	103.6	103.4	110.8	110.3	104.5	104.0	106.9	106.6	102.2	102.4	105.1	105.0
Annual average ..	104.8	105.1	101.9	102.2	102.9	102.8	107.6	107.2	103.2	102.9	104.6	104.3	102.0	102.3	103.6	103.5
1969: 1st quarter	107.1	107.2	103.5	104.1	103.5	103.0	112.6	111.9	104.9	104.2	108.7	108.6	102.5	102.4	106.3	106.3
2d quarter	107.5	107.9	104.3	105.0	103.1	102.7	114.3	113.6	104.8	104.1	110.9	110.6	102.6	102.2	107.7	107.4
3d quarter	108.0	108.3	104.5	105.5	103.3	102.6	116.5	115.5	105.3	104.3	112.8	112.5	102.9	102.8	109.0	108.8
4th quarter	107.6	107.8	104.1	105.3	103.3	102.4	118.8	117.4	105.8	104.7	115.0	114.7	102.7	102.2	110.2	110.0
Annual average ..	107.5	107.8	104.1	105.0	103.3	102.7	115.6	114.6	105.3	104.4	111.9	111.6	102.6	102.4	108.3	108.1
1970: 1st quarter	106.7	107.1	103.9	105.2	102.7	101.8	120.8	119.3	106.0	104.8	117.6	117.2	102.2	101.4	111.6	111.2
2d quarter	106.9	107.2	103.3	104.2	103.6	102.9	122.3	121.2	105.6	104.7	118.1	117.8	104.4	104.1	112.8	112.6
3d quarter	107.3	107.7	102.2	103.4	105.0	104.3	124.9	123.7	106.7	105.7	119.0	118.6	106.5	106.7	114.1	114.1
4th quarter	106.1	106.2	101.0	102.2	105.1	103.9	126.9	125.5	107.1	105.9	120.7	120.7	108.1	108.8	115.8	116.2
Annual average ..	106.8	107.1	102.6	103.7	104.1	103.2	123.7	122.4	106.3	105.2	118.9	118.6	105.3	105.2	113.6	113.5
1971: 1st quarter	108.3	108.5	101.3	102.6	106.9	105.8	129.9	128.4	108.7	107.5	121.5	121.4	110.3	110.7	117.1	117.4
2d quarter	109.5	109.7	101.9	102.9	107.5	106.6	132.0	130.8	109.3	108.3	122.9	122.7	111.2	111.7	118.3	118.5
Percent change over previous quarter at annual rate ⁴																
1968: 1st quarter	5.6	6.1	1.0	1.5	4.5	4.5	9.0	9.6	4.7	5.2	4.3	4.8	1.7	0.6	3.3	3.3
2d quarter	7.7	8.6	3.8	4.2	3.8	4.2	7.7	6.3	2.8	1.4	3.8	2.0	3.6	5.7	3.7	3.4
3d quarter	4.2	3.8	2.0	2.8	2.1	1.0	8.8	7.3	3.6	2.1	6.5	6.3	-1.0	-0.4	3.6	3.7
4th quarter	2.7	2.4	1.3	1.3	1.4	1.1	8.7	8.8	3.9	3.9	7.2	7.6	0.0	-1.1	4.4	4.3
1969: 1st quarter	3.0	2.5	3.4	4.2	-0.4	-1.6	6.4	5.9	1.4	0.9	6.8	7.7	1.0	0.0	4.6	4.7
2d quarter	1.4	2.4	3.2	3.5	-1.8	-1.1	6.5	6.4	-0.4	-0.5	8.4	7.6	0.4	-0.9	5.4	4.4
3d quarter	1.8	1.6	0.9	1.9	0.9	-0.3	7.9	6.7	2.0	0.9	7.0	7.1	1.3	2.4	4.8	5.3
4th quarter	-1.5	-1.7	-1.6	-0.7	0.1	-1.0	7.9	7.0	2.1	1.2	7.8	8.1	-1.0	-2.2	4.5	4.4
1970: 1st quarter	-3.0	-2.7	-0.8	-0.5	-2.3	-2.1	7.1	6.6	0.8	0.4	9.6	9.0	-1.8	-3.3	5.4	4.5
2d quarter	0.8	0.6	-2.4	-3.7	3.2	4.5	4.8	6.5	-1.6	0.0	1.6	1.9	9.0	11.2	4.1	5.1
3d quarter	1.5	2.0	-4.0	-3.1	5.6	5.2	8.9	8.3	4.2	3.6	3.1	2.9	8.2	10.4	4.9	5.5
4th quarter	-4.4	-5.6	-5.0	-4.4	0.6	-1.2	6.7	6.1	1.3	0.7	6.1	7.4	6.3	7.9	6.2	7.6
1971: 1st quarter	8.6	8.9	1.5	1.6	6.9	7.2	9.6	9.6	6.2	6.2	2.6	2.3	8.0	7.4	4.5	4.1
2d quarter	4.3	4.4	2.2	1.2	2.1	3.2	6.7	7.5	2.2	3.0	4.5	4.2	3.5	3.6	4.2	4.0
Percent change over previous year ⁵																
Year ending -																
1970: 1st quarter	-0.3	-0.1	0.4	1.0	-0.8	-1.1	7.3	6.7	1.1	0.5	8.2	7.9	-0.3	-1.0	5.0	4.7
2d quarter	-0.5	-0.6	-1.0	-0.8	0.5	0.2	6.9	6.7	0.8	0.6	6.4	6.5	1.8	1.9	4.7	4.8
3d quarter	-0.6	-0.5	-2.2	-2.0	1.6	1.6	7.2	7.1	1.3	1.3	5.5	5.4	3.5	3.8	4.7	4.9
4th quarter	-1.3	-1.5	-3.0	-3.0	1.7	1.5	6.9	6.9	1.1	1.1	5.0	5.3	5.3	6.4	5.2	5.7
1971: 1st quarter	1.5	1.3	-2.5	-2.4	4.1	3.9	7.5	7.6	2.5	2.6	3.3	3.6	7.9	9.2	4.9	5.5
2d quarter	2.4	2.3	-1.3	-1.2	3.8	3.6	8.0	7.9	3.5	3.4	4.1	4.2	6.5	7.3	5.0	5.3

¹ Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Also includes an estimate of wages, salaries, and supplementary payments for the self-employed.

² Compensation per man-hour adjusted for changes in the consumer price index.

³ Nonlabor payments include profits, depreciation, interest, rental income, and indirect taxes.

⁴ Percent change computed from original data.

⁵ Current quarter divided by comparable quarter a year ago.

NOTE: Man-hour data underlying these indexes are based on a March 1969 benchmark.

Source: Output data from the Office of Business Economic, U.S. Department of Commerce. Man-hours and compensation of all persons from the Bureau of Labor Statistics. See BLS Handbook of Methods for Surveys and Studies—Chapter 22. Output Per Man-Hour Measures, Private Economy.

C-11: Four-quarter changes in compensation, seasonally adjusted

Measure	Percent change over 4-quarter period ¹ ending in--								
	1971		1970				1969		
	June	Mar.	Dec.	Sept.	June	Mar.	Dec.	Sept.	June
Average hourly compensation:									
All persons, total private economy	8.0	7.5	6.9	7.2	6.9	7.3	7.2	7.4	7.6
All employees, private nonfarm economy	8.0	7.7	6.9	7.0	6.6	6.6	6.4	6.9	7.0
Average hourly earnings, private nonfarm economy ²	6.7	6.3	5.6	6.1	5.9	6.3	6.7	6.7	6.7
Mining	6.2	5.9	6.6	6.5	6.7	6.9	7.8	7.6	7.5
Contract construction	9.4	9.1	9.1	9.8	9.1	10.5	10.0	9.2	8.8
Manufacturing	6.4	6.4	4.4	5.6	5.6	5.6	6.0	6.4	5.9
Transportation and public utilities	7.4	7.8	6.7	6.1	5.5	5.7	6.1	6.3	6.0
Wholesale and retail trade	6.2	5.9	5.5	6.2	6.3	6.7	6.8	6.3	6.2
Finance, insurance, and real estate	7.8	6.1	5.5	5.2	4.6	5.1	5.3	5.4	6.6
Services	7.2	7.7	8.0	8.0	7.1	7.3	6.8	6.9	7.9
Average hourly earnings, private nonfarm economy, ² adjusted for overtime (in manufacturing only) and interindustry employment shifts									
Mining	7.2	7.1	6.6	6.9	6.5	6.6	6.7	6.6	6.5
Contract construction	5.7	5.0	5.6	5.8	5.9	6.5	7.2	7.9	8.1
Manufacturing	9.3	9.1	9.1	9.9	9.1	10.2	9.9	9.2	8.6
Transportation and public utilities	6.9	7.1	6.3	6.6	6.4	6.0	6.0	6.2	5.8
Wholesale and retail trade	7.5	7.6	6.6	6.2	5.5	5.9	5.9	6.2	6.4
Finance, insurance, and real estate	6.5	5.9	5.6	6.1	6.1	6.5	6.8	6.4	6.3
Services	7.6	6.4	6.2	6.3	5.8	5.7	5.9	5.4	5.9
Average hourly earnings, all Federal executive branch employees ³	7.7	7.8	7.7	7.6	6.6	6.9	6.9	6.6	7.4
Average hourly earnings, all Federal executive branch employees ³	8.6	13.9	10.5	10.4	14.8	9.8	9.6	10.4	7.5
Average union scales, 7 building trades:									
Wages and selected benefits	12.1	13.5	12.9	12.8	12.9	10.3	10.7	9.5	9.7
Hourly wage rates	11.3	12.3	11.8	11.7	11.9	9.2	9.5	8.6	8.5
Wage rates, hired farm labor	4.8	5.5	5.6	6.3	5.1	5.2	6.6	6.7	9.0
Average weekly earnings, private nonfarm economy: ²									
Current dollars	6.1	5.0	3.8	4.4	4.3	5.5	6.3	6.1	6.6
1967 dollars	1.6	.1	-1.8	-1.2	-1.7	-.7	.5	.5	1.1
Real spendable earnings (worker and 3 dependents, 1967 dollars)	1.7	.3	-1.3	-.8	-1.3	-.6	-.8	-.8	-.3

¹ Current quarter divided by comparable quarter a year earlier.
² Production and nonsupervisory workers.
³ Computed from data that are not seasonally adjusted.

NOTE: See technical description at end of table C-15.

C-12: Quarter-to-quarter changes in compensation, seasonally adjusted

Measure	Percent change over previous quarter at annual rate								
	1971		1970				1969		
	June	Mar.	Dec.	Sept.	June	Mar.	Dec.	Sept.	June
Average hourly compensation:									
All persons, total private economy	6.7	9.6	6.7	8.9	4.8	7.1	7.9	7.9	6.5
All employees, private nonfarm economy	7.4	9.7	6.5	8.4	6.4	6.3	6.9	6.7	6.4
Average hourly earnings, private nonfarm economy ¹	6.9	7.5	5.0	7.3	5.6	4.3	7.1	6.3	7.4
Mining	6.5	4.5	7.8	6.1	5.4	7.0	7.6	6.9	6.2
Contract construction	9.5	8.6	8.0	11.6	8.1	8.6	10.9	8.7	14.1
Manufacturing	5.8	11.8	.8	7.4	5.8	3.7	5.5	7.4	5.7
Transportation and public utilities	3.7	8.7	8.5	8.7	5.4	4.4	6.0	6.0	6.5
Wholesale and retail trade	6.3	6.4	5.0	7.1	5.1	4.6	8.0	7.6	6.6
Finance, insurance, and real estate	9.5	7.9	7.1	6.8	2.7	5.5	6.0	4.2	4.7
Services	5.6	7.1	8.2	7.9	7.5	8.2	8.4	4.2	8.7
Average hourly earnings, private nonfarm economy, ¹ adjusted for overtime (in manufacturing only) and interindustry employment shifts									
Mining	7.0	7.7	5.9	8.3	6.6	5.7	7.1	6.5	7.2
Contract construction	7.0	4.7	5.9	5.1	4.4	6.7	6.8	5.6	6.9
Manufacturing	9.6	8.3	7.6	11.8	8.8	8.1	10.9	8.6	13.4
Transportation and public utilities	6.3	8.9	4.7	7.6	7.2	5.5	6.0	6.9	5.8
Wholesale and retail trade	5.6	8.4	6.6	9.4	6.0	4.7	4.9	6.4	7.5
Finance, insurance, and real estate	7.3	6.6	5.0	7.0	4.9	5.4	7.3	6.7	6.8
Services	9.5	7.2	7.0	6.8	4.8	6.3	7.5	4.5	4.5
Average hourly earnings, all Federal executive branch employees ²	6.3	7.4	9.1	8.0	6.7	7.0	8.8	4.1	7.7
Average hourly earnings, all Federal executive branch employees ²	1.6	3.5	3.8	2.6	5.3	1.7	3.7	4.7	2.5
Average union scales, 7 building trades:									
Wages and selected benefits	18.5	8.7	12.2	9.5	24.6	6.4	11.6	10.0	13.4
Hourly wage rates	17.9	9.0	10.2	8.4	22.1	6.9	10.0	9.1	10.9
Wage rates, hired farm labor	2.3	2.4	2.4	12.7	5.0	2.5	5.1	7.9	5.3
Average weekly earnings, private nonfarm economy: ¹									
Current dollars	7.9	7.5	3.1	6.1	3.5	2.7	5.6	5.5	8.1
1967 dollars	3.2	4.0	-2.6	2.0	-2.8	-3.6	-.3	.2	1.1
Real spendable earnings (worker and 3 dependents, 1967 dollars)	3.4	5.0	-2.7	1.4	-2.2	-1.5	-.9	-.5	.8

¹ Production and nonsupervisory workers.
² Computed from data that are not seasonally adjusted. Actual percent change rather than
annual rate of change is shown where change is affected by a general salary adjustment.

NOTE: See technical description at end of table C-15.

EMPLOYEE COMPENSATION DATA
SEASONALLY ADJUSTED

C-13: Twelve-month changes in compensation, seasonally adjusted

Measure	Percent change at annual rate over 12-month period ¹ ending in--												
	1971						1970						
	Aug. ^P	July ^P	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Average hourly earnings, private nonfarm economy ²	5.8	5.9	6.5	6.9	6.6	6.3	6.3	6.4	5.8	5.4	5.5	5.5	6.5
Mining	6.2	6.0	5.7	6.3	6.6	5.8	6.1	5.9	6.7	6.8	6.3	6.6	6.6
Contract construction	8.0	8.9	9.4	10.3	8.5	9.0	9.5	8.7	8.4	9.5	9.3	9.2	10.5
Manufacturing	5.9	5.9	6.3	6.3	6.6	6.3	6.7	6.1	5.5	4.0	3.7	5.9	5.3
Transportation and public utilities	7.2	7.5	6.8	7.4	8.0	8.0	8.0	7.5	7.5	6.2	6.5	6.0	6.3
Wholesale and retail trade	5.5	5.9	6.3	6.3	6.0	6.0	5.6	6.1	5.3	5.3	5.7	6.2	6.2
Finance, insurance, and real estate	7.8	7.5	7.9	8.2	7.3	6.3	6.3	5.7	5.4	5.4	5.7	5.4	5.1
Services	6.0	6.1	6.8	7.6	7.2	7.3	7.7	8.1	8.2	7.8	7.9	8.3	8.4
Average hourly earnings, private nonfarm economy, ² adjusted for overtime (in manufacturing only) and interindustry employment shifts	6.5	6.7	7.1	7.4	7.2	7.0	7.2	7.2	6.8	6.5	6.5	7.0	7.1
Mining	6.6	5.8	5.6	5.9	5.6	4.9	5.2	5.1	5.8	5.5	5.3	5.9	6.2
Contract construction	7.9	8.6	9.1	10.0	8.9	9.0	9.4	8.9	8.3	9.3	9.6	9.3	10.5
Manufacturing	6.6	6.5	6.8	6.8	7.1	7.0	7.2	7.1	6.9	6.0	5.9	6.7	6.5
Transportation and public utilities	6.7	6.8	6.9	7.4	8.1	7.8	7.8	7.1	6.8	6.4	6.7	6.3	6.4
Wholesale and retail trade	5.8	6.4	6.6	6.6	6.2	5.7	5.7	6.1	5.4	5.5	5.8	6.2	6.4
Finance, insurance, and real estate	7.1	7.0	7.4	8.2	7.2	6.5	6.6	6.2	6.2	6.0	6.5	6.4	6.4
Services	6.3	6.5	7.3	8.3	7.5	7.2	7.8	8.4	8.0	7.5	7.5	8.2	7.9
Average hourly earnings, all Federal executive branch employees ³	(*)	(*)	8.2	8.2	9.5	13.8	14.2	13.7	11.4	10.0	9.9	9.9	9.9
Average weekly earnings, private nonfarm economy: ²													
Current dollars	5.6	5.0	6.0	6.3	6.1	5.2	4.9	5.0	4.0	3.9	3.6	3.2	5.0
1967 dollars	(*)	.6	1.4	1.8	1.6	.5	.1	-.2	-1.3	-1.8	-2.2	-2.5	-.5
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	.8	1.5	1.9	1.7	.7	.2	(4)	-.9	-1.2	-1.7	-1.9	-.2

¹ Current month divided by same month a year earlier.
² Production and nonsupervisory workers.
³ Computed from data that are not seasonally adjusted.
⁴ Less than 0.05 percent.

* Not available.
p= preliminary.

NOTE: See technical description at end of table C-15.

C-14: Six-month changes in compensation, seasonally adjusted

Measure	Percent change at annual rate over 6-month period ¹ ending in--												
	1971						1970						
	Aug. ^P	July ^P	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Average hourly earnings, private nonfarm economy ²	6.1	5.5	6.8	7.4	7.5	6.9	5.6	6.3	6.3	6.4	5.7	5.8	7.1
Mining	6.6	5.6	4.6	5.1	6.8	6.3	5.8	6.3	6.9	7.5	6.4	5.3	6.5
Contract construction	8.9	8.9	10.2	9.0	7.9	8.8	7.2	8.9	8.6	11.6	9.1	9.2	11.8
Manufacturing	5.2	5.8	6.5	9.7	10.3	5.9	6.6	6.0	6.0	3.0	3.0	6.8	6.8
Transportation and public utilities	6.0	6.6	5.1	6.2	7.3	8.9	8.4	8.5	8.5	8.6	8.7	7.0	7.6
Wholesale and retail trade	5.8	5.8	6.6	6.6	5.9	5.9	5.2	6.0	6.0	6.0	6.1	6.1	6.1
Finance, insurance, and real estate	7.6	8.4	8.4	9.8	7.8	7.9	7.9	6.6	7.4	6.7	6.7	4.7	4.7
Services	4.1	2.7	4.9	7.0	7.1	5.7	7.9	9.5	8.8	8.1	7.4	8.9	7.5
Average hourly earnings, private nonfarm economy, ² adjusted for overtime (in manufacturing only) and interindustry employment shifts	6.4	6.1	6.8	7.9	7.4	6.5	6.6	7.3	7.4	6.9	7.0	7.4	7.9
Mining	8.1	5.6	5.4	6.1	5.8	5.0	5.0	5.9	5.7	5.6	5.3	4.7	5.4
Contract construction	8.7	8.8	9.6	9.2	8.2	8.4	7.0	8.5	8.6	10.9	9.6	9.6	11.8
Manufacturing	6.5	6.0	6.4	8.3	8.2	6.5	6.8	7.1	7.2	5.3	6.0	7.4	7.7
Transportation and public utilities	6.0	6.3	6.7	7.3	6.9	7.8	7.3	7.3	7.0	7.5	9.4	7.8	8.3
Wholesale and retail trade	6.6	6.1	6.9	7.3	6.6	5.7	4.9	6.7	6.3	5.9	5.8	5.8	6.6
Finance, insurance, and real estate	7.3	7.0	8.2	9.0	7.9	7.4	6.9	7.0	6.7	7.4	6.6	5.6	6.4
Services	3.9	2.8	5.6	8.1	6.9	5.8	8.6	10.3	9.0	8.5	8.1	8.5	7.0
Average hourly earnings, all Federal executive branch employees ³	(*)	(*)	1.6	4.9	5.5	5.5	7.7	9.3	6.5	6.4	3.8	7.9	6.0
Average weekly earnings, private nonfarm economy: ²													
Current dollars	7.1	5.5	7.1	7.4	8.5	7.2	4.0	4.6	4.9	5.2	3.7	3.2	5.8
1967 dollars	(*)	1.6	2.9	3.2	4.7	3.1	-.7	-.3	(4)	.5	-1.4	-2.0	.9
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	1.4	3.5	3.9	5.2	3.3	-.3	.2	-.4	(4)	-1.6	-1.8	.8

¹ Current month divided by month 6 months earlier.
² Production and nonsupervisory workers.
³ Computed from data that are not seasonally adjusted. Actual percent change rather than annual rate of change is shown where change is affected by a general salary adjustment.
⁴ Less than 0.05 percent.

* Not available.
p= preliminary.

NOTE: See technical description at end of table C-15.

C-15: Average hourly or weekly compensation, seasonally adjusted

Measure	1971									1970			
	3d quarter		2d quarter			1st quarter			4th quarter			3d quarter	
	Aug. P	July P	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Levels													
Average hourly earnings, private nonfarm economy ¹	\$ 3.45	\$ 3.42	\$ 3.42	\$ 3.41	\$ 3.39	\$ 3.37	\$ 3.35	\$ 3.33	\$ 3.31	\$ 3.29	\$ 3.27	\$ 3.26	\$ 3.26
Mining	4.11	4.07	4.05	4.05	4.04	4.01	3.98	3.96	3.96	3.95	3.91	3.89	3.87
Contract construction	5.78	5.73	5.70	5.67	5.60	5.56	5.54	5.49	5.43	5.43	5.39	5.33	5.35
Manufacturing	3.60	3.58	3.57	3.55	3.54	3.52	3.51	3.48	3.46	3.39	3.37	3.42	3.40
Transportation and public utilities	4.17	4.15	4.10	4.08	4.07	4.07	4.05	4.02	4.00	3.96	3.93	3.90	3.89
Wholesale and retail trade	2.89	2.88	2.87	2.86	2.84	2.83	2.81	2.80	2.78	2.77	2.76	2.75	2.74
Finance, insurance, and real estate	3.33	3.30	3.28	3.29	3.25	3.22	3.21	3.17	3.15	3.14	3.13	3.10	3.09
Services	3.00	2.97	2.98	2.99	2.97	2.95	2.94	2.93	2.91	2.89	2.87	2.87	2.83
Wage rates, hired farm labor (quarterly data)	-	1.73	-	-	1.72	-	-	1.71	-	-	1.70	-	-
Average weekly earnings, private nonfarm economy: ¹													
Current dollars	127.85	126.31	126.46	125.87	125.56	124.30	123.52	122.99	122.19	121.43	120.55	120.05	121.11
1967 dollars	(*)	103.91	104.19	103.98	104.45	103.76	103.34	103.07	102.70	102.37	102.07	102.17	103.70
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	91.09	91.36	91.33	91.67	91.03	90.57	90.46	89.81	89.62	89.36	89.56	90.71
Indexes, 1967=100													
Average hourly compensation (quarterly data):													
All persons, total private economy	(*)	-	-	132.0	-	129.9	-	-	126.9	-	-	-	124.9
All employees, private nonfarm economy	(*)	-	-	131.0	-	128.7	-	-	125.7	-	-	-	123.8
Average hourly earnings, private nonfarm economy, ¹ adjusted for overtime (in manufacturing only) and interindustry employment shifts	130.5	129.6	129.1	128.9	127.9	127.1	126.5	125.8	125.0	124.1	123.4	123.2	122.5
Mining	129.0	126.9	126.6	126.4	125.5	124.5	124.1	123.5	123.3	122.6	122.0	121.5	121.1
Contract construction	139.9	138.9	138.1	137.4	135.9	134.7	134.2	133.1	131.9	131.5	130.7	129.4	129.7
Manufacturing	129.0	128.1	127.5	126.9	126.2	125.5	125.0	124.4	123.7	121.9	121.4	121.6	120.9
Transportation and public utilities	128.5	127.5	126.7	126.6	125.7	125.4	124.8	123.7	122.7	122.2	121.6	120.8	120.5
Wholesale and retail trade	129.4	128.8	128.1	127.9	126.9	126.0	125.3	125.0	123.9	123.5	122.9	122.5	122.3
Finance, insurance, and real estate	128.4	127.2	127.1	127.3	125.8	124.7	124.0	122.9	122.2	121.9	121.2	120.3	119.9
Services	130.6	129.5	130.1	131.0	129.3	128.6	128.1	127.8	126.6	126.0	125.1	125.0	122.9
Average hourly earnings, all Federal executive branch employees ²	(*)	(*)	139.5	140.3	139.7	139.1	139.5	139.2	137.3	133.8	132.4	131.9	129.5
Average union scales, 7 building trades (quarterly data):													
Wages and selected benefits	-	146.9	-	-	140.8	-	-	137.9	-	-	134.0	-	-
Hourly wage rates	-	141.6	-	-	135.9	-	-	133.0	-	-	129.8	-	-

¹ Production and nonsupervisory workers.

² Not seasonally adjusted.

* Not available.

p= preliminary.

Technical description covering tables C-11 through C-15

Characteristic	Average hourly compensation	Average hourly and weekly earnings	Union scales, building trades	Wage rates, hired farm labor
Reference period and source	Basic time series consists of quarterly averages. Data are developed by BLS from Department of Commerce estimates of compensation and BLS man-hour estimates.	Basic time series consists of averages for payroll period including 12th of month. Monthly data have been summed and divided by 3 to obtain quarterly averages. Private industry data obtained by BLS from a stratified probability sample of establishments. Federal data obtained from the Civil Service Commission. Published by BLS monthly in <i>Employment and Earnings</i> .	Basic time series consists of wage rates and selected benefits as of January 1, April 1, July 1, and October 1. Data obtained by BLS from local union officials and union agreements. Published quarterly in press releases.	Basic time series consists of rates as of week preceding January 1, April 1, July 1, and October 1. Data obtained by Department of Agriculture from a sample survey of farm operators and published quarterly in <i>Farm Labor</i> by USDA.
Type of compensation	Compensation is the total of wages and salaries plus supplements to wages and salaries (according to National Income Accounts definitions) per man-hour paid for.	Basic series consists of regular hourly payroll expenditures before deductions, i.e., straight-time hourly earnings plus premium and incentive pay. Series adjusted for overtime and interindustry employment shifts excludes overtime premiums in manufacturing only. Weekly earnings in 1967 dollars adjust earnings for price changes while spendable earnings adjust for price and Federal income and social security tax changes.	Compensation is, in the case of wage scales, minimum wage rates (excluding premium pay for holiday, vacation, or overtime) agreed upon in collective bargaining. In the case of wages and selected benefits, it is wages, as defined above, plus employer payments to health and welfare, pension, and vacation funds.	Compensation is cash payments to worker, exclusive of perquisites such as room or board.
Type of worker	1. Total private economy: All persons, i.e., all employees and imputed compensation of self employed. 2. Nonfarm economy: All nonfarm employees including government enterprise and private household workers.	1. Private: Production and related workers in mining and manufacturing; construction workers in contract construction; and nonsupervisory workers in all other industries. 2. Federal Executive Branch: All workers, supervisory and nonsupervisory.	Unionized building trades workers in continental United States cities of 100,000 population or more in the following seven trades: Bricklayers, building laborers, carpenters, electricians, painters, plasterers, and plumbers.	Hired farm workers defined as those working only for wages, for 1 hour or more on farm during survey week.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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**C-16: Gross hours and earnings of production workers on manufacturing payrolls,
 by State and selected areas**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970
ALABAMA	\$ 120.99	\$ 124.01	\$ 114.86	40.6	41.2	40.3	\$ 2.98	\$ 3.01	\$ 2.85
Birmingham	141.10	149.82	133.66	40.2	41.5	39.9	3.51	3.61	3.35
Mobile	146.50	147.42	135.71	41.5	42.0	41.0	3.53	3.51	3.31
ALASKA	(*)	210.34	190.18	(*)	41.9	46.5	(*)	5.02	4.09
ARIZONA	140.84	147.70	130.07	38.8	40.8	39.9	3.63	3.62	3.26
Phoenix	143.52	152.85	130.28	39.0	41.2	39.6	3.68	3.71	3.29
Tucson	136.57	136.86	136.21	39.7	39.9	41.4	3.44	3.43	3.29
ARKANSAS	105.73	105.06	99.60	39.6	40.1	40.0	2.67	2.62	2.49
Fort Smith	102.03	101.71	96.40	39.7	40.2	40.0	2.57	2.53	2.41
Little Rock-North Little Rock	111.67	110.60	104.41	39.6	39.5	39.4	2.82	2.80	2.65
Pine Bluff	133.13	128.84	134.48	40.1	39.4	41.0	3.32	3.27	3.28
CALIFORNIA	160.37	161.60	150.11	39.5	39.9	39.4	4.06	4.05	3.81
Anaheim-Santa Ana-Garden Grove	155.60	158.71	150.35	40.0	40.8	40.2	3.89	3.89	3.74
Bakersfield	168.51	163.61	152.02	41.0	40.1	39.9	4.11	4.08	3.81
Fresno	139.35	137.71	131.93	38.6	38.9	39.5	3.61	3.54	3.34
Los Angeles-Long Beach	154.44	155.59	145.33	39.6	40.1	39.6	3.90	3.88	3.67
Modesto	134.28	135.77	119.28	37.3	37.3	35.5	3.60	3.64	3.36
Oxnard-Ventura	146.57	143.39	130.79	39.4	39.5	37.8	3.72	3.63	3.46
Sacramento	170.11	168.58	165.92	38.4	38.4	39.6	4.43	4.39	4.19
Salinas-Monterey	145.76	140.14	127.72	39.5	39.7	37.9	3.69	3.53	3.37
San Bernardino-Riverside-Ontario	158.39	159.53	150.35	40.2	40.8	40.2	3.94	3.91	3.74
San Diego	167.78	169.12	165.98	39.2	39.7	39.9	4.28	4.26	4.16
San Francisco-Oakland	179.49	180.64	164.40	38.6	39.1	38.5	4.65	4.62	4.27
San Jose	168.84	171.25	157.21	40.2	40.2	39.6	4.20	4.26	3.97
Santa Barbara	144.01	145.16	138.48	37.7	38.2	38.9	3.82	3.80	3.56
Santa Rosa	149.74	146.28	140.94	38.2	37.7	38.3	3.92	3.88	3.68
Stockton	170.51	168.06	150.54	40.5	40.4	39.0	4.21	4.16	3.86
Vallejo-Napa	147.73	150.91	143.26	37.4	38.4	38.0	3.95	3.93	3.77
COLORADO	151.11	153.41	142.51	41.4	40.8	40.6	3.65	3.76	3.51
Denver	158.75	159.14	148.01	40.6	40.7	41.0	3.91	3.91	3.61
CONNECTICUT	147.38	146.57	139.26	40.6	40.6	40.6	3.63	3.61	3.43
Bridgeport	149.11	152.03	141.86	40.3	41.2	40.3	3.70	3.69	3.52
Hartford	151.18	151.15	149.45	40.1	40.2	41.4	3.77	3.76	3.61
New Britain	144.28	147.53	139.44	39.1	40.2	40.3	3.69	3.67	3.46
New Haven	149.65	146.61	142.04	41.0	40.5	40.7	3.65	3.62	3.49
Stamford	153.97	151.62	154.56	40.2	39.9	42.0	3.83	3.80	3.68
Waterbury	139.67	139.93	131.61	41.2	41.4	41.0	3.39	3.38	3.21
DELAWARE	147.03	157.00	132.65	39.0	41.1	38.9	3.77	3.82	3.41
Wilmington	163.46	174.28	151.68	39.2	41.2	39.5	4.17	4.23	3.84
DISTRICT OF COLUMBIA :									
Washington SMSA	(*)	160.27	147.44	(*)	38.9	38.8	(*)	4.12	3.80
FLORIDA	126.45	126.18	116.35	40.4	41.1	40.4	3.13	3.07	2.88
Fort Lauderdale-Hollywood	127.68	127.86	129.63	38.0	39.1	43.5	3.36	3.27	2.98
Jacksonville	144.16	134.23	127.00	42.4	40.8	41.1	3.40	3.29	3.09
Miami	115.60	117.22	113.72	37.9	39.6	39.9	3.05	2.96	2.85
Orlando	125.53	124.34	118.69	39.6	40.9	39.3	3.17	3.04	3.02
Pensacola	148.26	148.68	138.29	42.0	42.0	40.2	3.53	3.54	3.44
Tampa-St. Petersburg	136.45	140.06	126.07	41.1	42.7	41.2	3.32	3.28	3.06
West Palm Beach	134.80	138.02	133.11	40.0	41.2	42.8	3.37	3.35	3.11
GEORGIA	114.05	115.87	107.74	40.3	40.8	40.2	2.83	2.84	2.68
Atlanta	143.87	144.40	134.46	40.3	40.0	39.9	3.57	3.61	3.37
Savannah	146.86	147.48	141.62	42.2	42.5	42.4	3.48	3.47	3.34
HAWAII	134.06	127.66	122.54	44.1	39.4	43.3	3.04	3.24	2.83
Honolulu	133.50	125.44	120.96	44.8	39.2	43.2	2.98	3.20	2.80
IDAHO	147.04	138.50	143.15	38.9	39.8	40.9	3.78	3.48	3.50
ILLINOIS	158.57	158.37	147.04	39.8	40.3	40.2	3.98	3.93	3.66
Chicago	(*)	159.97	149.73	(*)	40.3	40.4	(*)	3.97	3.71
Davenport-Rock Island-Moline	174.66	176.25	162.69	38.7	39.1	39.3	4.52	4.50	4.14

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**C-16: Gross hours and earnings of production workers on manufacturing payrolls,
by State and selected areas--Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970	July 1971 ^P	June 1971	July 1970
ILLINOIS (continued)									
Peoria	\$185.53	\$183.67	\$168.53	40.4	40.2	41.1	\$ 4.60	\$ 4.56	\$4.10
Rockford	149.34	155.42	143.85	38.5	40.2	40.0	3.88	3.86	3.60
INDIANA									
Indianapolis	160.00	165.24	151.15	39.8	40.9	40.2	4.02	4.04	3.76
	(*)	167.28	150.78	(*)	41.1	40.1	(*)	4.07	3.76
IOWA									
Cedar Rapids	158.80	160.00	142.40	39.6	40.0	38.8	4.01	4.00	3.67
Des Moines	166.46	168.09	147.75	41.0	41.3	39.4	4.06	4.07	3.75
Dubuque	168.00	168.80	153.22	38.8	40.0	39.9	4.33	4.22	3.84
Sioux City	179.03	174.34	148.06	38.5	37.9	36.2	4.65	4.60	4.09
Waterloo	137.03	154.82	140.29	38.6	42.3	40.9	3.55	3.66	3.43
	178.45	177.20	159.59	40.1	40.0	39.7	4.45	4.43	4.02
KANSAS									
Topeka	141.48	146.30	134.78	40.0	41.6	40.9	3.54	3.52	3.30
Wichita	164.29	156.26	150.84	42.9	41.5	43.0	3.83	3.77	3.51
	138.41	156.68	144.82	37.8	42.7	41.8	3.66	3.67	3.47
KENTUCKY									
Louisville	136.67	135.54	131.74	39.5	39.4	39.8	3.46	3.44	3.31
	162.40	157.61	149.11	40.6	39.6	40.3	4.00	3.98	3.70
LOUISIANA									
Baton Rouge	145.17	148.01	136.62	42.2	42.9	41.4	3.44	3.45	3.30
New Orleans	178.88	174.71	159.14	41.6	41.4	42.1	4.30	4.22	3.78
Shreveport	144.77	145.12	134.13	41.6	41.7	39.8	3.48	3.48	3.37
	133.12	138.35	127.41	41.6	42.7	41.5	3.20	3.24	3.07
MAINE									
Lewiston-Auburn	114.05	114.00	110.02	39.6	40.0	40.3	2.88	2.85	2.73
Portland	93.95	93.24	89.30	36.7	37.0	36.9	2.56	2.52	2.42
	124.97	127.84	112.79	39.3	40.2	39.3	3.18	3.18	2.87
MARYLAND									
Baltimore	144.11	145.16	136.28	39.7	40.1	40.2	3.63	3.62	3.39
	150.42	151.50	141.50	39.9	40.4	40.2	3.77	3.75	3.52
MASSACHUSETTS									
Boston	134.80	134.35	126.29	39.3	39.4	39.1	3.43	3.41	3.23
Brockton	146.64	146.63	136.93	39.0	39.1	38.9	3.91	3.75	3.52
Fall River	120.48	118.81	109.66	39.5	38.7	37.3	3.05	3.07	2.94
Lawrence-Haverhill	103.30	102.08	94.50	36.5	36.2	35.0	2.83	2.82	2.70
Lowell	126.01	129.85	116.22	39.5	40.2	39.0	3.19	3.23	2.98
New Bedford	113.93	117.95	113.58	37.6	38.8	38.5	3.03	3.04	2.95
Springfield-Chicopee-Holyoke	111.51	109.79	101.95	37.8	37.6	37.9	2.95	2.92	2.69
Worcester	135.49	134.35	127.08	39.5	39.4	39.1	3.43	3.41	3.25
	136.37	135.14	126.82	38.2	38.5	38.2	3.57	3.51	3.32
MICHIGAN									
Ann Arbor	183.03	192.45	170.28	40.2	41.9	41.1	4.55	4.59	4.14
Battle Creek	211.78	219.57	186.44	43.0	44.7	43.9	4.93	4.91	4.25
Bay City	174.48	172.68	175.21	39.9	40.0	41.5	4.37	4.32	4.22
Detroit	170.18	168.25	150.46	40.1	39.7	39.5	4.24	4.24	3.81
Flint	190.20	203.96	194.17	39.6	42.5	44.2	4.80	4.80	4.39
Grand Rapids	220.18	221.72	206.13	42.4	42.2	43.7	5.19	5.25	4.72
Jackson	159.18	162.91	148.87	40.4	40.8	40.4	3.94	3.99	3.69
Kalamazoo	179.81	170.13	154.65	40.7	39.2	38.1	4.42	4.34	4.06
Lansing	173.86	175.56	171.51	41.2	41.7	42.6	4.22	4.21	4.03
Muskegon-Muskegon Heights	189.52	197.67	177.68	39.5	40.9	40.4	4.80	4.83	4.40
Saginaw	159.56	158.97	151.80	40.1	40.4	40.0	3.98	3.94	3.80
	181.89	229.11	185.96	35.1	43.4	40.7	5.18	5.28	4.57
MINNESOTA									
Duluth-Superior	150.82	150.40	141.74	39.9	40.0	40.1	3.78	3.76	3.54
Minneapolis-St. Paul	148.67	147.98	133.66	40.1	39.8	39.9	3.71	3.72	3.35
	158.63	157.79	150.25	39.8	39.8	40.0	3.99	3.96	3.76
MISSISSIPPI									
Jackson	102.80	105.11	97.36	40.0	40.9	40.4	2.57	2.57	2.41
	108.88	109.82	102.26	42.2	42.9	41.4	2.58	2.56	2.47
MISSOURI									
Kansas City	142.16	143.68	136.91	39.6	39.8	39.8	3.59	3.61	3.44
St. Joseph	139.35	141.91	131.13	39.7	40.2	40.1	3.51	3.53	3.27
St. Louis	145.27	148.14	144.42	42.6	43.7	41.5	3.41	3.39	3.48
Springfield	163.20	164.02	154.73	40.0	40.2	40.4	4.08	4.08	3.83
	121.18	118.50	123.76	39.6	38.6	44.2	3.06	3.07	2.80
MONTANA									
	160.39	156.42	151.62	40.3	39.5	39.9	3.98	3.96	3.80
NEBRASKA									
Lincoln	140.06	140.54	133.93	41.7	42.0	41.7	3.36	3.35	3.21
Omaha	123.73	129.54	122.06	38.2	40.2	39.9	3.24	3.22	3.06
	143.59	143.62	136.08	40.7	40.9	40.7	3.52	3.51	3.34

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**C-16: Gross hours and earnings of production workers on manufacturing payrolls,
 by State and selected areas--Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970	July 1971 P	June 1971	July 1970
NEVADA.....	\$173.84	\$166.36	\$174.96	42.4	39.8	40.5	\$4.10	\$4.18	\$4.32
Las Vegas.....	(*)	190.55	180.46	(*)	40.2	41.2	(*)	4.74	4.38
NEW HAMPSHIRE.....	118.29	116.42	108.29	39.3	39.2	38.4	3.01	2.97	2.82
Manchester.....	105.56	105.92	97.73	37.7	38.1	37.3	2.80	2.78	2.62
NEW JERSEY.....	147.60	149.00	139.09	40.0	40.6	40.2	3.69	3.67	3.46
Atlantic City.....	117.88	115.59	119.41	41.8	40.7	43.9	2.82	2.84	2.72
Camden 1.....	148.10	147.55	134.55	40.8	41.1	39.0	3.63	3.59	3.45
Jersey City 2.....	147.86	149.14	140.58	40.4	41.2	39.6	3.66	3.62	3.55
Newark.....	146.10	147.23	138.16	39.7	39.9	39.7	3.68	3.69	3.48
Paterson-Clifton-Passaic 2.....	145.02	146.43	136.32	39.3	39.9	39.4	3.69	3.67	3.46
Perth Amboy 2.....	150.15	154.75	145.80	38.9	40.3	40.5	3.86	3.84	3.60
Trenton.....	137.97	142.42	131.58	37.8	38.7	38.7	3.65	3.68	3.40
NEW MEXICO.....	106.00	108.67	101.57	40.0	40.1	37.9	2.65	2.71	2.68
Albuquerque.....	122.18	124.15	113.48	41.0	41.8	40.1	2.98	2.97	2.83
NEW YORK.....	(*)	145.84	134.68	(*)	39.1	38.7	(*)	3.73	3.48
Albany-Schenectady-Troy.....	160.00	160.79	147.90	39.9	40.4	40.3	4.01	3.98	3.67
Binghamton.....	146.69	146.73	132.47	40.3	41.1	39.9	3.64	3.57	3.32
Buffalo.....	166.40	176.73	161.52	40.0	41.1	41.1	4.16	4.30	3.93
Elmira.....	138.65	137.16	127.33	39.5	39.3	39.3	3.51	3.49	3.24
Monroe County 3.....	174.03	176.14	161.59	40.1	40.4	40.6	4.34	4.36	3.98
Nassau and Suffolk Counties 4.....	147.31	149.14	135.63	39.6	40.2	39.2	3.72	3.71	3.46
New York-Northeastern New Jersey.....	(*)	142.42	132.14	(*)	38.7	38.3	(*)	3.68	3.45
New York SMSA 2.....	(*)	137.97	127.91	(*)	37.8	37.4	(*)	3.65	3.42
New York City 4.....	(*)	135.77	125.83	(*)	37.3	36.9	(*)	3.64	3.41
Rochester.....	168.42	170.47	157.53	40.1	40.3	40.6	4.20	4.23	3.88
Rockland County 4.....	144.65	146.37	133.17	39.2	40.1	39.4	3.69	3.65	3.38
Syracuse.....	154.35	153.12	143.56	40.3	40.4	40.1	3.83	3.79	3.58
Utica-Rome.....	133.72	135.94	127.08	39.1	40.1	39.1	3.42	3.39	3.25
Westchester County 4.....	145.14	142.45	135.02	38.6	38.5	38.8	3.76	3.70	3.48
NORTH CAROLINA.....	104.00	104.38	95.65	40.0	40.3	39.2	2.60	2.59	2.44
Asheville.....	103.17	102.14	89.73	40.3	39.9	37.7	2.56	2.56	2.38
Charlotte.....	111.08	111.76	103.06	40.1	40.2	40.1	2.77	2.78	2.57
Greensboro-Winston-Salem-High Point.....	113.88	114.84	105.26	39.0	39.6	38.7	2.92	2.90	2.72
Raleigh.....	112.46	110.98	99.82	40.6	40.8	39.3	2.77	2.72	2.54
NORTH DAKOTA.....	135.41	131.08	123.16	41.9	41.7	41.7	3.23	3.15	2.95
Fargo-Moorhead.....	158.14	147.53	134.69	42.3	39.9	40.2	3.74	3.70	3.35
OHIO.....	166.87	170.98	156.26	40.8	41.5	40.8	4.09	4.12	3.83
Akron.....	177.72	177.94	170.98	40.3	41.0	41.5	4.41	4.34	4.12
Canton.....	157.08	159.94	154.91	38.5	39.2	41.2	4.08	4.08	3.76
Cincinnati.....	160.61	161.82	148.27	41.5	41.6	40.4	3.87	3.89	3.67
Cleveland.....	170.98	176.40	157.92	41.2	41.9	40.7	4.15	4.21	3.88
Columbus.....	151.31	152.08	143.71	39.2	39.4	39.7	3.86	3.86	3.62
Dayton.....	184.91	185.32	173.45	41.0	41.0	41.2	4.51	4.52	4.21
Toledo.....	179.70	182.27	164.02	41.5	41.9	40.8	4.33	4.35	4.02
Youngstown-Warren.....	186.59	190.49	162.41	42.6	43.0	40.4	4.38	4.43	4.02
OKLAHOMA.....	132.03	131.38	126.38	40.5	40.3	40.9	3.26	3.26	3.09
Oklahoma City.....	129.92	130.17	122.82	40.1	40.3	40.4	3.24	3.23	3.04
Tulsa.....	141.10	142.21	140.01	40.2	40.4	41.3	3.51	3.52	3.39
OREGON.....	162.96	165.11	150.54	38.8	39.5	38.9	4.20	4.18	3.87
Eugene.....	165.09	178.02	155.63	39.4	41.4	39.4	4.19	4.30	3.95
Portland.....	158.59	158.28	147.84	38.4	38.7	38.6	4.13	4.09	3.83
PENNSYLVANIA.....	141.45	142.16	132.10	39.4	39.6	39.2	3.59	3.59	3.37
Allentown-Bethlehem-Easton.....	139.68	140.12	128.59	38.8	38.6	38.5	3.60	3.63	3.34
Altoona.....	112.27	114.22	104.60	37.8	38.2	36.7	2.97	2.99	2.85
Delaware Valley 1.....	152.43	153.22	141.02	39.8	39.9	39.5	3.83	3.84	3.57
Erie.....	153.04	153.72	140.49	41.7	42.0	41.2	3.67	3.66	3.41
Harrisburg.....	130.22	129.82	124.93	39.7	39.7	40.3	3.28	3.27	3.10
Johnstown.....	135.28	147.07	126.32	38.0	38.4	36.3	3.56	3.83	3.48
Lancaster.....	129.69	129.56	121.66	39.3	39.5	39.5	3.30	3.28	3.08
Philadelphia.....	152.02	152.38	140.62	39.9	40.1	39.5	3.81	3.80	3.56
Pittsburgh.....	162.41	164.01	152.31	40.5	40.9	40.4	4.01	4.01	3.77
Reading.....	127.49	129.81	121.35	38.4	39.1	39.4	3.32	3.32	3.08
Scranton.....	113.28	109.99	103.51	36.9	36.3	37.1	3.07	3.03	2.79
Wilkes-Barre-Hazleton.....	105.70	105.34	98.26	36.2	36.2	35.6	2.92	2.91	2.76
York.....	133.63	132.57	122.18	41.5	41.3	41.0	3.22	3.21	2.98

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**C-16: Gross hours and earnings of production workers on manufacturing payrolls,
by State and selected areas--Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1971 ^p	June 1971	July 1970	July 1971 ^p	June 1971	July 1970	July 1971 ^p	June 1971	July 1970
RHODE ISLAND	\$ 118.59	\$ 117.11	\$ 111.83	39.4	39.3	39.1	\$ 3.01	\$ 2.98	\$ 2.86
Providence-Pawtucket-Warwick	118.69	118.59	112.50	39.3	39.4	39.2	3.02	3.01	2.87
SOUTH CAROLINA	107.86	108.24	99.00	40.7	41.0	39.6	2.65	2.64	2.50
Charleston	130.60	125.42	118.64	41.2	40.2	38.9	3.17	3.12	3.05
Greenville	107.16	108.88	98.65	40.9	41.4	40.1	2.62	2.63	2.46
SOUTH DAKOTA	136.58	138.03	130.82	44.2	44.1	44.8	3.09	3.13	2.92
Sioux Falls	161.92	166.50	154.82	46.0	46.9	47.2	3.52	3.55	3.28
TENNESSEE	116.58	118.73	109.33	40.2	40.8	39.9	2.90	2.91	2.74
Chattanooga	130.97	131.11	114.46	40.8	41.1	39.2	3.21	3.19	2.92
Knoxville	132.00	132.00	124.71	40.0	40.0	40.1	3.30	3.30	3.11
Memphis	132.51	131.46	123.32	40.4	40.7	40.3	3.28	3.23	3.06
Nashville	126.27	127.30	117.89	40.6	40.8	40.1	3.11	3.12	2.94
TEXAS	136.01	135.38	128.96	40.6	40.9	40.3	3.35	3.31	3.20
Amarillo	125.02	122.67	117.38	40.2	39.7	40.2	3.11	3.09	2.92
Austin	115.89	115.51	117.60	40.1	41.4	42.0	2.89	2.79	2.80
Beaumont-Port Arthur-Orange	179.52	178.27	169.74	40.8	40.7	41.2	4.40	4.38	4.12
Corpus Christi	167.04	156.97	150.28	43.5	41.2	41.4	3.84	3.81	3.63
Dallas	126.95	127.08	115.36	40.3	40.6	37.7	3.15	3.13	3.06
El Paso	87.64	88.48	91.49	40.2	39.5	41.4	2.18	2.24	2.21
Fort Worth	141.80	143.38	135.60	41.1	41.2	40.6	3.45	3.48	3.34
Galveston-Texas City	208.96	202.44	197.37	42.3	42.0	43.0	4.94	4.82	4.59
Houston	164.30	162.18	154.51	41.7	41.8	42.1	3.94	3.88	3.67
Lubbock	116.60	118.53	111.51	42.4	43.1	43.9	2.75	2.75	2.54
San Antonio	107.30	106.81	106.09	40.8	41.4	42.1	2.63	2.58	2.52
Waco	113.97	113.78	112.00	39.3	39.1	40.0	2.90	2.91	2.80
Wichita Falls	100.73	99.50	97.81	39.5	39.8	39.6	2.55	2.50	2.47
UTAH	138.19	140.79	136.81	38.6	39.0	39.2	3.58	3.61	3.49
Salt Lake City	127.31	131.32	129.09	38.7	39.2	39.0	3.29	3.35	3.31
VERMONT	128.33	127.92	121.01	41.0	41.0	41.3	3.13	3.12	2.93
Burlington	153.29	150.94	142.68	42.7	42.4	43.5	3.59	3.56	3.28
Springfield	135.60	136.28	124.80	40.0	40.2	40.0	3.39	3.39	3.12
VIRGINIA	116.18	116.35	109.05	40.2	40.4	39.8	2.89	2.88	2.74
Lynchburg	115.54	115.02	102.91	40.4	40.5	40.2	2.86	2.84	2.56
Norfolk-Portsmouth	129.67	133.45	121.80	42.1	42.5	42.0	3.08	3.14	2.90
Northern Virginia ⁵	153.75	151.20	136.12	41.0	40.0	39.8	3.75	3.78	3.42
Richmond	136.75	132.93	119.95	42.6	40.9	39.2	3.21	3.25	3.06
Roanoke	107.19	107.32	96.98	39.7	39.6	37.3	2.70	2.71	2.60
WASHINGTON	168.52	169.12	157.08	39.1	39.7	38.5	4.31	4.26	4.08
Seattle-Everett	170.87	174.80	165.53	39.1	40.0	39.6	4.37	4.37	4.18
Spokane	166.74	161.02	154.04	39.7	38.8	39.6	4.20	4.15	3.89
Tacoma	165.46	168.20	148.37	38.3	39.3	37.0	4.32	4.28	4.01
WEST VIRGINIA	143.35	143.60	133.96	39.6	40.0	39.4	3.62	3.59	3.40
Charleston	172.63	174.72	165.78	41.8	41.9	42.4	4.13	4.17	3.91
Huntington-Ashland	151.69	154.03	140.84	39.4	39.8	38.8	3.85	3.87	3.63
Wheeling	147.68	152.40	138.11	39.7	41.3	39.8	3.72	3.69	3.47
WISCONSIN	155.82	157.58	145.07	40.4	40.6	40.4	3.86	3.88	3.59
Green Bay	154.60	160.51	149.56	41.6	42.1	42.2	3.71	3.82	3.55
Kenosha	175.87	178.44	168.95	39.4	40.3	40.9	4.46	4.43	4.13
La Crosse	131.05	135.56	121.87	41.3	41.9	39.7	3.17	3.24	3.07
Madison	181.67	186.45	166.94	41.4	42.1	41.1	4.39	4.43	4.06
Milwaukee	170.15	169.56	157.03	40.4	40.4	40.2	4.22	4.20	3.90
Racine	156.45	157.45	153.90	40.0	39.5	40.7	3.91	3.98	3.78
WYOMING	152.44	145.75	137.36	41.2	40.6	39.7	3.70	3.59	3.46
Casper	163.35	170.14	168.02	38.8	40.9	41.9	4.21	4.16	4.01
Cheyenne	153.09	149.77	110.42	37.8	38.7	32.1	4.05	3.87	3.44

¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

² Area included in New York-Northeastern New Jersey Standard Consolidated Area.

³ Subarea of Rochester Standard Metropolitan Statistical Area.

⁴ Subarea of New York Standard Metropolitan Statistical Area.

⁵ Subarea of Washington, D. C. Standard Metropolitan Statistical Area.

* Not Available.

p= preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA
LABOR TURNOVER

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D-1: Labor turnover rates in manufacturing

1960 to date

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Total accessions													
1960	4.0	3.5	3.3	3.4	3.9	4.7	3.9	4.9	4.8	3.5	2.9	2.3	3.8
1961	3.7	3.2	4.0	4.0	4.3	5.0	4.4	5.3	4.7	4.3	3.4	2.6	4.1
1962	4.1	3.6	3.8	4.0	4.3	5.0	4.6	5.1	4.9	3.9	3.0	2.4	4.1
1963	3.6	3.3	3.5	3.9	3.9	4.8	4.3	4.8	4.8	3.9	2.9	2.5	3.9
1964	3.6	3.4	3.7	3.8	3.9	5.1	4.4	5.1	4.8	4.0	3.2	2.6	4.0
1965	3.8	3.5	4.0	3.8	4.1	5.6	4.5	5.4	5.5	4.5	3.9	3.1	4.3
1966	4.6	4.2	4.9	4.6	5.1	6.7	5.1	6.4	6.1	5.1	3.9	2.9	5.0
1967	4.3	3.6	3.9	3.9	4.6	5.9	4.7	5.5	5.3	4.7	3.7	2.8	4.4
1968	4.2	3.8	4.0	4.3	4.7	5.9	5.0	5.8	5.7	5.1	3.9	3.1	4.6
1969	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	4.9	3.6	2.9	4.7
1970	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4	4.0
1971	3.5	3.1	3.5	3.7	3.9	4.9	3.9p						
New hires													
1960	2.2	2.2	2.0	2.0	2.3	3.0	2.4	2.9	2.8	2.1	1.5	1.0	2.2
1961	1.5	1.4	1.6	1.8	2.1	2.9	2.5	3.1	3.0	2.7	2.0	1.4	2.2
1962	2.2	2.1	2.2	2.4	2.8	3.5	2.9	3.2	3.1	2.5	1.8	1.2	2.5
1963	1.9	1.8	2.0	2.3	2.5	3.3	2.7	3.2	3.2	2.6	1.8	1.4	2.4
1964	2.0	2.0	2.2	2.4	2.5	3.6	2.9	3.4	3.5	2.8	2.2	1.6	2.6
1965	2.4	2.4	2.8	2.6	3.0	4.3	3.2	3.9	4.0	3.5	2.9	2.2	3.1
1966	3.2	3.1	3.7	3.6	4.1	5.6	3.9	4.8	4.7	4.2	3.1	2.1	3.8
1967	3.0	2.7	2.8	2.8	3.3	4.6	3.3	4.0	4.1	3.7	2.8	2.0	3.3
1968	3.0	2.7	2.9	3.2	3.6	4.7	3.7	4.3	4.6	4.0	2.9	2.2	3.5
1969	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1	3.7
1970	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4	2.8
1971	2.0	1.9	2.2	2.3	2.6	3.5	2.7p						
Total separations													
1960	3.6	3.5	4.0	4.2	3.9	4.0	4.4	4.8	5.3	4.7	4.5	4.8	4.3
1961	4.7	3.9	3.8	3.4	3.5	3.6	4.1	4.2	5.1	4.2	4.0	4.0	4.0
1962	3.9	3.4	3.6	3.6	3.8	3.8	4.4	5.1	5.0	4.4	4.0	3.8	4.1
1963	4.0	3.2	3.5	3.6	3.6	3.4	4.1	4.8	4.9	4.1	3.9	3.7	3.9
1964	4.0	3.3	3.5	3.5	3.6	3.5	4.4	4.3	5.1	4.2	3.6	3.7	3.9
1965	3.7	3.1	3.4	3.7	3.6	3.6	4.3	5.1	5.6	4.5	3.9	4.1	4.1
1966	4.0	3.6	4.1	4.3	4.3	4.4	5.3	5.8	6.6	4.8	4.3	4.2	4.6
1967	4.5	4.0	4.6	4.3	4.2	4.3	4.8	5.3	6.2	4.7	4.0	3.9	4.6
1968	4.4	3.9	4.1	4.1	4.3	4.1	5.0	6.0	6.3	5.0	4.1	3.8	4.6
1969	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.4	4.3	4.2	4.9
1970	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1	4.8
1971	4.2	3.5	3.7	4.0	3.7	3.8	4.7p						
Quits													
1960	1.2	1.2	1.2	1.4	1.3	1.4	1.4	1.8	2.3	1.3	.9	.7	1.3
1961 .....	.9	.8	.9	1.0	1.1	1.2	1.2	1.7	2.3	1.4	1.1	.9	1.2
1962	1.1	1.1	1.2	1.3	1.5	1.5	1.4	2.1	2.4	1.5	1.1	.8	1.4
1963	1.1	1.0	1.2	1.3	1.4	1.4	1.4	2.1	2.4	1.5	1.1	.8	1.4
1964	1.2	1.1	1.2	1.3	1.5	1.4	1.5	2.1	2.7	1.7	1.2	1.0	1.5
1965	1.4	1.3	1.5	1.7	1.7	1.7	1.8	2.6	3.5	2.2	1.7	1.4	1.9
1966	1.9	1.8	2.3	2.5	2.5	2.5	2.5	3.6	4.5	2.8	2.1	1.7	2.6
1967	2.1	1.9	2.1	2.2	2.2	2.3	2.1	3.2	4.0	2.5	1.9	1.5	2.3
1968	2.0	1.9	2.1	2.2	2.4	2.3	2.4	3.8	4.2	2.8	2.1	1.6	2.5
1969	2.3	2.1	2.4	2.6	2.7	2.6	2.7	4.0	4.4	3.0	2.1	1.6	2.7
1970	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2	2.1
1971	1.5	1.3	1.5	1.6	1.7	1.8	1.8p						
Layoffs													
1960	1.8	1.7	2.2	2.2	1.9	2.0	2.4	2.4	2.4	2.8	3.1	3.6	2.4
1961	3.2	2.6	2.3	1.9	1.8	1.8	2.3	1.8	2.1	2.0	2.2	2.6	2.2
1962	2.1	1.7	1.6	1.6	1.6	1.6	2.2	2.2	1.9	2.2	2.3	2.5	2.0
1963	2.2	1.6	1.7	1.6	1.5	1.4	2.0	1.9	1.8	1.9	2.1	2.3	1.8
1964	2.0	1.6	1.6	1.4	1.4	1.3	2.1	1.4	1.5	1.8	1.7	2.1	1.7
1965	1.6	1.2	1.2	1.3	1.1	1.1	1.8	1.6	1.3	1.4	1.5	1.9	1.4
1966	1.3	1.0	1.0	1.0	.9	1.0	2.0	1.1	1.0	1.1	1.3	1.7	1.2
1967	1.5	1.3	1.5	1.3	1.1	1.1	1.9	1.2	1.2	1.3	1.3	1.6	1.4
1968	1.5	1.2	1.1	1.0	1.0	.9	1.8	1.3	1.1	1.2	1.2	1.4	1.2
1969	1.2	1.0	1.0	.9	.9	.9	1.6	1.1	1.1	1.3	1.3	1.8	1.2
1970	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2	1.8
1971	1.9	1.4	1.4	1.4	1.2	1.2	2.1p						

p = preliminary.

D-2: Labor turnover rates, by industry

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July p 1971	June 1971	July p 1971	June 1971	July p 1971	June 1971	July p 1971	June 1971	July p 1971	June 1971
	MANUFACTURING	3.9	4.9	2.7	3.5	4.7	3.8	1.8	1.8	2.1	1.2
19,24,25,32-39	DURABLE GOODS . . .	3.3	4.4	2.2	3.0	4.7	3.5	1.5	1.5	2.4	1.2
20-23,26-31	NONDURABLE GOODS . . .	4.7	5.6	3.3	4.1	4.9	4.2	2.3	2.2	1.8	1.2
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	-	2.5	-	1.4	-	2.2	-	.8	-	.7
192	Ammunition, except for small arms	-	2.5	-	1.3	-	2.2	-	.7	-	.8
24	LUMBER AND WOOD PRODUCTS	5.6	8.2	4.8	6.8	5.0	4.8	3.2	3.2	.8	.7
242	Sawmills and planing mills	-	7.3	-	6.3	-	4.8	-	3.4	-	.6
2421	Sawmills and planing mills, general	-	7.3	-	6.3	-	4.6	-	3.2	-	.6
243	Millwork, plywood & related products	-	8.2	-	7.1	-	4.7	-	3.0	-	.8
2431	Millwork	-	8.5	-	7.6	-	4.3	-	2.8	-	.5
2432	Veneer and plywood	-	7.1	-	5.6	-	4.7	-	2.7	-	1.2
244	Wooden containers	-	11.0	-	8.8	-	7.6	-	5.0	-	1.5
2441,2	Wooden boxes, shooks, and crates	-	10.7	-	8.8	-	6.7	-	4.8	-	.8
249	Miscellaneous wood products	-	7.2	-	5.8	-	5.3	-	3.2	-	1.0
25	FURNITURE AND FIXTURES	5.7	5.7	4.8	4.8	5.6	4.5	3.1	2.7	1.5	.8
251	Household furniture	-	5.6	-	4.9	-	4.6	-	3.0	-	.7
2511	Wood household furniture	-	6.3	-	5.5	-	4.7	-	3.3	-	.3
2512	Upholstered household furniture	-	4.2	-	3.7	-	3.5	-	2.4	-	.3
2515	Mattresses and bedsprings	-	5.6	-	4.9	-	4.3	-	2.6	-	.5
252	Office furniture	-	4.6	-	2.9	-	2.9	-	1.8	-	.2
32	STONE, CLAY, AND GLASS PRODUCTS	3.9	5.5	3.0	4.3	4.0	3.7	1.8	1.9	1.3	.9
321	Flat glass	-	6.2	-	2.5	-	2.8	-	.5	-	1.3
322	Glass and glassware, pressed or blown	-	4.4	-	2.9	-	3.1	-	1.4	-	.6
3221	Glass containers	-	4.3	-	3.2	-	3.0	-	1.5	-	.6
3229	Pressed and blown glass, n e c	-	4.5	-	2.3	-	3.3	-	1.3	-	.6
324	Cement, hydraulic	-	4.6	-	3.9	-	1.5	-	.5	-	.5
325	Structural clay products	-	6.8	-	5.9	-	4.6	-	3.1	-	.7
3251	Brick and structural clay tile	-	9.1	-	8.4	-	6.2	-	4.6	-	.7
326	Pottery and related products	-	4.3	-	3.4	-	3.5	-	2.0	-	.6
3291	Abrasive products	-	2.6	-	1.3	-	2.4	-	.8	-	.8
33	PRIMARY METAL INDUSTRIES	2.0	3.4	1.1	2.2	5.2	3.1	1.0	1.1	3.1	1.1
331	Blast furnace and basic steel products	-	3.0	-	2.0	-	2.9	-	.9	-	1.1
3312	Blast furnaces and steel mills	-	3.0	-	1.9	-	2.8	-	.9	-	1.0
332	Iron and steel foundries	-	3.9	-	2.6	-	3.3	-	1.6	-	.7
3321	Gray iron foundries	-	4.1	-	2.8	-	3.0	-	1.6	-	.4
3322	Malleable iron foundries	-	4.1	-	2.9	-	3.8	-	1.8	-	.4
3323	Steel foundries	-	3.2	-	1.8	-	3.9	-	1.4	-	1.6
333,4	Nonferrous metals	-	3.7	-	2.7	-	2.4	-	1.3	-	.4
335	Nonferrous rolling and drawing	-	3.1	-	2.2	-	3.9	-	.9	-	2.0
3351	Copper rolling and drawing	-	3.3	-	2.4	-	2.2	-	.9	-	.4
3352	Aluminum rolling and drawing	-	3.2	-	2.4	-	5.5	-	.9	-	3.7
3357	Nonferrous wire drawing, and insulating	-	3.3	-	2.2	-	3.8	-	.9	-	1.8
336	Nonferrous foundries	-	4.7	-	3.2	-	3.3	-	1.8	-	.7
3361	Aluminum castings	-	4.8	-	3.5	-	3.3	-	1.6	-	.8
3362,9	Other nonferrous castings	-	4.7	-	3.0	-	3.3	-	1.9	-	.5
339	Miscellaneous primary metal products	-	3.5	-	2.2	-	3.0	-	1.0	-	1.2
3391	Iron and steel forgings	-	3.4	-	1.9	-	2.3	-	.9	-	.8

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1971 ^P	June 1971	July 1971 ^P	June 1971	July 1971 ^P	June 1971	July 1971 ^P	June 1971	July 1971 ^P	June 1971
	<i>Durable Goods--Continued</i>										
34	FABRICATED METAL PRODUCTS	-	5.3	-	3.8	-	4.0	-	1.7	-	1.4
341	Metal cans	-	7.1	-	3.0	-	3.9	-	.8	-	1.7
342	Cutlery, hand tools, and hardware	-	3.7	-	2.8	-	3.2	-	1.4	-	1.0
3421,3,5	Cutlery and hand tools, incl. saws	-	3.5	-	2.7	-	2.4	-	1.3	-	.4
3429	Hardware, n e c	-	3.9	-	2.8	-	3.6	-	1.4	-	1.3
343	Plumbing and heating, except electric	-	6.6	-	5.5	-	3.7	-	1.7	-	1.0
3431,2	Sanitary ware & plumbers' brass goods	-	5.6	-	4.6	-	4.0	-	1.9	-	1.1
3433	Heating equipment, except electric	-	7.4	-	6.2	-	3.4	-	1.5	-	1.0
344	Fabricated structural metal products	-	6.0	-	4.7	-	3.8	-	1.9	-	.9
3441	Fabricated structural steel	-	5.1	-	4.0	-	3.8	-	1.8	-	1.0
3443	Fabricated plate work (boiler shops)	-	3.8	-	2.9	-	2.8	-	1.3	-	.8
3446,9	Architectural and misc. metal work	-	6.2	-	5.2	-	3.5	-	1.8	-	.7
345	Screw machine products, bolts, etc.	-	3.5	-	2.6	-	3.2	-	1.2	-	1.3
3452	Bolts, nuts, rivets, and washers	-	2.3	-	1.6	-	2.8	-	.9	-	1.3
346	Metal stampings	-	4.8	-	2.6	-	5.2	-	1.2	-	3.1
348	Misc. fabricated wire products	-	6.4	-	4.9	-	4.1	-	2.3	-	.8
349	Misc. fabricated metal products	-	4.4	-	3.1	-	3.4	-	1.5	-	1.1
3494,8	Valves, pipe, and pipe fittings	-	3.6	-	2.7	-	2.8	-	1.3	-	.8
35	MACHINERY, EXCEPT ELECTRICAL	2.3	3.1	1.4	1.9	2.8	2.8	1.0	1.0	1.1	1.1
351	Engines and turbines	-	2.4	-	1.3	-	1.9	-	.7	-	.3
3511	Steam engines and turbines	-	2.5	-	1.3	-	1.9	-	.7	-	.2
3519	Internal combustion engines, n e c	-	2.4	-	1.3	-	1.9	-	.8	-	.4
352	Farm machinery	-	3.9	-	2.4	-	3.6	-	1.1	-	1.8
353	Construction and related machinery	-	3.5	-	2.2	-	2.4	-	1.0	-	.8
3531,2	Construction and mining machinery	-	2.8	-	1.8	-	2.4	-	.8	-	1.0
3533	Oil field machinery	-	3.8	-	3.5	-	2.7	-	1.9	-	.3
3535,6	Conveyors, hoists, cranes, monorails	-	3.6	-	2.0	-	1.9	-	.9	-	.2
354	Metal working machinery	-	3.1	-	1.5	-	3.1	-	.8	-	1.4
3541	Machine tools, metal cutting types	-	3.0	-	.8	-	2.2	-	.6	-	1.1
3545	Machine tool accessories	-	2.2	-	.7	-	2.7	-	.6	-	.7
3542,8	Misc. metal working machinery	-	2.6	-	1.4	-	2.3	-	.7	-	1.1
355	Special industry machinery	-	2.3	-	1.6	-	2.9	-	.9	-	1.3
3551	Food products machinery	-	2.6	-	1.8	-	2.9	-	.9	-	1.5
3552	Textile machinery	-	2.9	-	2.2	-	3.1	-	1.3	-	1.1
356	General industrial machinery	-	3.2	-	1.9	-	2.4	-	.9	-	.9
3561	Pumps and compressors	-	3.3	-	2.0	-	2.3	-	.9	-	.8
3562	Ball and roller bearings	-	3.2	-	1.1	-	2.2	-	.5	-	1.1
3566	Power transmission equipment	-	2.9	-	1.4	-	2.2	-	.9	-	.7
357	Office and computing machines	-	2.3	-	1.2	-	2.0	-	.8	-	.3
3573	Electronic computing equipment	-	1.8	-	1.0	-	1.9	-	.8	-	.3
358	Service industry machines	-	4.0	-	3.1	-	4.4	-	1.5	-	2.0
3585	Refrigeration machinery	-	4.0	-	3.0	-	4.6	-	1.4	-	2.2
36	ELECTRICAL EQUIPMENT AND SUPPLIES	-	3.5	-	2.1	-	3.4	-	1.2	-	1.3
361	Electric test & distributing equipment	-	3.0	-	1.9	-	2.5	-	1.1	-	.7
3611	Electric measuring instruments	-	3.3	-	2.6	-	2.8	-	1.3	-	.7
3612	Transformers	-	2.5	-	1.1	-	2.8	-	1.1	-	.8
3613	Switchgear and switchboard apparatus	-	3.1	-	1.9	-	2.1	-	.9	-	.6
362	Electrical industrial apparatus	-	2.8	-	1.5	-	2.6	-	1.0	-	1.0
3621	Motors and generators	-	2.7	-	1.2	-	2.5	-	.9	-	.8
3622	Industrial controls	-	2.4	-	1.3	-	1.7	-	.9	-	.3
363	Household appliances	-	4.0	-	2.4	-	6.7	-	1.3	-	4.3
3632	Household refrigerators and freezers	-	2.5	-	1.1	-	11.8	-	1.0	-	9.8
3633	Household laundry equipment	-	6.2	-	3.3	-	2.8	-	1.1	-	.2
3634	Electric housewares and fans	-	4.9	-	3.0	-	5.1	-	1.7	-	2.4
364	Electric lighting and wiring equipment	-	3.5	-	2.3	-	3.0	-	1.3	-	.8
3641	Electric lamps	-	1.7	-	.9	-	2.3	-	.7	-	.6
3642	Lighting fixtures	-	4.0	-	2.8	-	3.7	-	1.7	-	1.0
3643,4	Wiring devices	-	4.0	-	2.6	-	3.0	-	1.4	-	.7
365	Radio and TV receiving equipment	-	7.0	-	4.6	-	4.0	-	2.0	-	.6
366	Communication equipment	-	2.0	-	1.1	-	2.9	-	1.0	-	1.2
3661	Telephone and telegraph apparatus	-	1.3	-	.7	-	2.6	-	1.1	-	.8
3662	Radio and TV communication equipment	-	2.5	-	1.4	-	3.2	-	.9	-	1.5
367	Electronic components and accessories	-	4.5	-	2.6	-	3.9	-	1.5	-	1.4
3671-3	Electron tubes	-	3.2	-	.9	-	3.3	-	1.1	-	1.1
3674,9	Other electronic components	-	4.7	-	2.9	-	4.0	-	1.6	-	1.4
369	Misc. electrical equipment & supplies	-	4.2	-	2.4	-	2.3	-	1.1	-	.5
3694	Engine electrical equipment	-	4.2	-	1.8	-	2.1	-	.9	-	.4

See footnotes at end of table.

D-2: Labor turnover rates, by industry--Continued

		(Per 100 employees)									
SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1971 ^p	June 1971	July 1971 ^p	June 1971	July 1971 ^p	June 1971	July 1971 ^p	June 1971	July 1971 ^p	June 1971
<i>Durable Goods--Continued</i>											
37	TRANSPORTATION EQUIPMENT	-	4.1	-	2.4	-	3.5	-	1.2	-	1.6
371	Motor vehicles and equipment	-	3.2	-	1.7	-	2.9	-	.8	-	1.3
3711	Motor vehicles	-	2.8	-	1.5	-	2.6	-	.8	-	1.0
3712	Passenger car bodies	-	2.0	-	1.1	-	6.5	-	.7	-	5.0
3713	Truck and bus bodies	-	5.5	-	4.2	-	4.0	-	1.7	-	1.6
3714	Motor vehicle parts and accessories	-	3.6	-	1.5	-	2.5	-	.7	-	.8
372	Aircraft and parts	-	2.3	-	1.0	-	2.5	-	.7	-	1.4
3721	Aircraft	-	2.5	-	.9	-	2.5	-	.7	-	1.5
3722	Aircraft engines and engine parts	-	1.6	-	.7	-	2.1	-	.6	-	1.0
3723,9	Other aircraft parts and equipment	-	2.8	-	1.7	-	3.4	-	.9	-	1.9
373	Ship and boat building and repairing	-	10.5	-	6.3	-	8.4	-	2.7	-	4.2
3731	Ship building and repairing	-	11.3	-	5.9	-	8.9	-	2.2	-	5.2
374	Railroad equipment	-	3.8	-	2.2	-	3.9	-	.9	-	2.1
375,9	Other transportation equipment	-	9.5	-	8.5	-	5.6	-	3.6	-	.4
38	INSTRUMENTS AND RELATED PRODUCTS	2.1	3.8	1.6	2.9	2.4	2.6	1.1	1.2	0.7	.6
381	Engineering & scientific instruments	-	3.2	-	1.9	-	2.7	-	1.1	-	.6
382	Mechanical measuring & control devices	-	3.4	-	2.4	-	2.3	-	1.1	-	.6
3821	Mechanical measuring devices	-	2.3	-	1.8	-	2.1	-	.9	-	.6
3822	Automatic temperature controls	-	5.2	-	3.6	-	2.8	-	1.2	-	.7
383,5	Optical and ophthalmic goods	-	4.6	-	3.6	-	3.4	-	1.8	-	.9
384	Medical instruments and supplies	-	5.3	-	3.9	-	3.2	-	1.8	-	.5
386	Photographic equipment and supplies	-	3.0	-	2.7	-	1.3	-	.7	-	.2
387	Watches, clocks, and watchcases	-	4.3	-	2.6	-	4.1	-	1.6	-	1.0
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	5.6	7.0	4.0	5.7	5.6	4.7	2.3	2.3	2.3	1.4
391	Jewelry, silverware, and plated ware	-	3.6	-	2.7	-	3.2	-	1.9	-	.5
394	Toys and sporting goods	-	13.3	-	11.6	-	7.3	-	3.5	-	2.6
3941-3	Games, toys, dolls, & play vehicles	-	19.4	-	17.1	-	6.4	-	3.7	-	1.4
3949	Sporting and athletic goods, n e c	-	5.7	-	4.7	-	8.5	-	3.2	-	4.2
395	Pens, pencils, office and art supplies	-	4.0	-	3.0	-	3.0	-	1.5	-	.6
396	Costume jewelry and notions	-	5.4	-	4.0	-	4.2	-	2.3	-	1.1
393,9	Other manufacturing industries	-	4.5	-	3.5	-	3.7	-	1.7	-	1.1
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	7.0	8.6	4.9	6.1	5.9	5.1	2.7	2.6	2.4	1.8
201	Meat products	-	9.1	-	5.7	-	6.4	-	3.4	-	2.3
2011	Meat packing plants	-	8.6	-	4.0	-	6.3	-	1.6	-	3.9
2015	Poultry dressing plants	-	12.9	-	10.3	-	9.0	-	7.7	-	.4
204	Grain mill products	-	5.0	-	3.7	-	3.2	-	1.7	-	.7
2041	Flour and other grain mill products	-	5.5	-	4.0	-	3.1	-	1.3	-	.9
2042	Prepared feeds for animals and fowls	-	4.5	-	3.8	-	3.6	-	2.2	-	.7
205	Bakery products	-	5.7	-	4.4	-	4.0	-	2.4	-	.8
2051	Bread, cake, and related products	-	5.4	-	4.5	-	4.0	-	2.5	-	.8
2052	Cookies and crackers	-	7.2	-	4.4	-	3.9	-	1.7	-	1.2
207	Confectionery and related products	-	8.0	-	5.1	-	5.1	-	2.5	-	1.9
2071	Confectionery products	-	8.7	-	5.2	-	5.8	-	2.8	-	2.3
208	Beverages	-	7.2	-	5.4	-	3.9	-	2.3	-	1.0
2082	Malt liquors	-	5.7	-	2.3	-	3.6	-	.4	-	2.7
21	TOBACCO MANUFACTURES	5.4	4.7	2.2	2.5	4.8	2.4	1.2	1.1	2.9	.5
211	Cigarettes	-	3.9	-	2.1	-	1.4	-	.5	-	.1
212	Cigars	-	4.2	-	3.0	-	3.9	-	2.7	-	.5

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1971 ^P	June 1971	July 1971 ^P	June 1971	July 1971 ^P	June 1971	July 1971 ^P	June 1971	July 1971 ^P	June 1971
	<i>Nondurable Goods--Continued</i>										
27	TEXTILE MILL PRODUCTS	4.9	5.9	3.8	4.7	5.4	5.2	3.4	3.3	1.0	0.8
221	Weaving mills, cotton.....	-	5.4	-	4.5	-	5.3	-	3.7	-	.3
222	Weaving mills, synthetics.....	-	5.0	-	3.9	-	4.9	-	3.3	-	.6
223	Weaving and finishing mills, wool.....	-	6.0	-	3.9	-	9.5	-	2.5	-	5.6
224	Narrow fabric mills.....	-	5.3	-	4.2	-	4.1	-	2.6	-	.7
225	Knitting mills.....	-	6.4	-	4.9	-	4.7	-	3.0	-	.8
2251	Women's hosiery, except socks.....	-	3.8	-	2.9	-	3.6	-	2.5	-	.5
2252	Hosiery, n e c.....	-	6.1	-	5.3	-	4.3	-	3.3	-	.2
2254	Knit underwear mills.....	-	5.4	-	4.1	-	3.9	-	3.3	-	1.1
226	Textile finishing, except wool.....	-	5.3	-	4.3	-	4.0	-	2.7	-	.4
227	Floor covering mills.....	-	5.3	-	4.5	-	4.6	-	2.6	-	1.1
228	Yarn and thread mills.....	-	7.4	-	6.3	-	6.6	-	4.7	-	.8
229	Miscellaneous textile goods.....	-	5.6	-	4.4	-	4.0	-	2.4	-	.6
23	APPAREL AND OTHER TEXTILE PRODUCTS	6.1	5.8	3.9	4.0	7.6	5.7	3.1	2.7	3.5	2.2
231	Men's and boys' suits and coats.....	-	3.1	-	1.7	-	2.9	-	1.3	-	1.2
232	Men's and boys' furnishings.....	-	6.2	-	5.0	-	5.1	-	3.6	-	.6
2321	Men's and boys' shirts and nightwear.....	-	5.8	-	4.7	-	4.4	-	3.3	-	.5
2327	Men's and boys' separate trousers.....	-	5.7	-	4.6	-	5.0	-	3.9	-	.3
2328	Men's and boys' work clothing.....	-	5.9	-	5.0	-	5.5	-	4.1	-	.6
234	Women's and children's undergarments.....	-	5.8	-	4.1	-	5.3	-	3.0	-	1.4
2341	Women's and children's underwear.....	-	6.2	-	4.5	-	5.6	-	3.3	-	1.4
2342	Corsets and allied garments.....	-	4.8	-	3.2	-	4.6	-	2.4	-	1.5
26	PAPER AND ALLIED PRODUCTS	2.8	4.3	2.2	3.3	3.1	2.6	1.5	1.4	.9	.5
261,2,6	Paper and pulp mills.....	-	3.5	-	2.6	-	1.6	-	.7	-	.4
263	Paperboard mills.....	-	4.0	-	3.2	-	1.6	-	.9	-	.2
264	Misc. converted paper products.....	-	4.9	-	3.8	-	3.3	-	1.8	-	.6
2643	Bags, except textile bags.....	-	5.0	-	3.5	-	4.0	-	2.4	-	1.0
265	Paperboard containers and boxes.....	-	4.8	-	3.7	-	3.4	-	1.9	-	.5
2651,2	Folding and setup paperboard boxes.....	-	4.1	-	3.1	-	3.3	-	1.8	-	.6
2653	Corrugated and solid fiber boxes.....	-	5.0	-	4.2	-	3.2	-	1.9	-	.4
	PRINTING AND PUBLISHING	2.8	3.8	2.2	2.9	3.0	3.1	1.6	1.6	.8	.
28	CHEMICALS AND ALLIED PRODUCTS	1.9	3.0	1.4	2.3	2.2	2.3	.9	.9	.5	.8
281	Industrial chemicals.....	-	1.9	-	1.4	-	1.9	-	.6	-	.6
282	Plastics materials and synthetics.....	-	2.9	-	2.2	-	1.5	-	.8	-	.2
2821	Plastics materials and resins.....	-	2.7	-	2.1	-	1.6	-	.8	-	.4
2823,4	Synthetic fibers.....	-	3.1	-	2.4	-	1.4	-	.8	-	.1
283	Drugs.....	-	3.0	-	2.2	-	1.8	-	.8	-	.5
2834	Pharmaceutical preparations.....	-	3.3	-	2.3	-	1.9	-	.9	-	.5
284	Soap, cleaners, and toilet goods.....	-	4.6	-	3.4	-	2.7	-	1.2	-	.7
2841	Soap and other detergents.....	-	4.2	-	2.3	-	1.7	-	.4	-	.6
2844	Toilet preparations.....	-	5.1	-	4.0	-	3.8	-	1.6	-	1.1
285	Paints and allied products.....	-	4.6	-	3.9	-	2.2	-	1.1	-	.3
286,9	Other chemical products.....	-	3.6	-	2.7	-	2.4	-	.9	-	.8
29	PETROLEUM AND COAL PRODUCTS	1.9	3.4	1.7	2.9	2.0	1.9	.7	.8	.7	.5
291	Petroleum refining.....	-	2.8	-	2.3	-	1.5	-	.4	-	.6
295,9	Other petroleum and coal products.....	-	5.9	-	5.0	-	3.2	-	2.1	-	.2
30	RUBBER AND PLASTICS PRODUCTS, N E C.	4.2	5.5	2.9	4.0	4.3	3.8	1.9	2.1	1.4	.7
301	Tires and inner tubes.....	-	2.9	-	1.9	-	1.9	-	.7	-	.4
302,3,6	Other rubber products.....	-	4.9	-	3.3	-	3.6	-	2.1	-	.6
307	Miscellaneous plastics products.....	-	6.9	-	5.3	-	4.8	-	2.7	-	1.0

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**
D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates						
		Total		New hires		Total		Quits		Layoffs		
		July 1971 ^p	June 1971	July 1971 ^p	June 1971	July 1971 ^p	June 1971	July 1971 ^p	June 1971	July 1971 ^p	June 1971	
	<i>Nondurable Goods--Continued</i>											
31	LEATHER AND LEATHER PRODUCTS	6.9	6.1	4.3	4.6	7.8	5.1	3.5	2.9	3.1	1.2	
311	Leather tanning and finishing	-	5.8	-	4.6	-	4.3	-	2.3	-	1.1	
314	Footwear, except rubber	-	5.8	-	4.6	-	4.9	-	3.1	-	.9	
	NONMANUFACTURING											
10	METAL MINING	2.5	5.5	1.8	4.8	3.1	2.8	1.6	1.9	.6	.1	
101	Iron ores	-	3.6	-	2.9	-	1.7	-	.8	-	.1	
102	Copper ores	-	6.5	-	5.3	-	3.1	-	2.2	-	(¹)	
11,12	COAL MINING	1.9	1.9	1.6	1.5	2.0	1.5	1.0	.8	.5	.1	
12	Bituminous coal and lignite mining	-	1.9	-	1.6	-	1.5	-	.8	-	.2	
	COMMUNICATION:											
481	Telephone communication	-	3.2	-	2.7	-	1.7	-	1.2	-	.1	
482	Telegraph communication ³	-	(²)	-	(²)	-	(²)	-	(²)	-	(²)	

¹ Less than 0.05.² Not available.³ Data relate to all employees except messengers.

p=preliminary

ESTABLISHMENT DATA 118
SEASONALLY ADJUSTED LABOR TURNOVER

D-3: Labor turnover rates in manufacturing, 1960 to date
seasonally adjusted

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1960.....	4.2	4.1	3.7	3.6	3.8	3.7	3.6	3.9	3.8	3.5	3.6	3.6
1961.....	3.9	3.7	4.4	4.2	4.2	4.0	4.0	4.1	3.8	4.3	4.3	4.1
1962.....	4.3	4.2	4.1	4.2	4.2	4.0	4.2	4.0	4.0	3.9	3.8	3.8
1963.....	3.8	3.9	3.8	4.1	3.8	3.8	3.9	3.8	3.9	3.9	3.6	4.0
1964.....	3.8	4.0	4.0	4.0	3.8	4.0	4.0	4.0	3.9	3.9	4.0	4.1
1965.....	4.0	4.1	4.4	4.1	4.1	4.3	4.1	4.3	4.5	4.4	4.8	4.9
1966.....	4.9	5.0	5.4	5.0	5.1	5.1	4.7	5.1	5.0	4.9	4.8	4.5
1967.....	4.6	4.3	4.3	4.2	4.6	4.4	4.3	4.4	4.3	4.5	4.6	4.4
1968.....	4.5	4.6	4.4	4.7	4.6	4.4	4.6	4.6	4.6	4.8	4.8	4.9
1969.....	4.9	4.7	4.9	4.9	4.7	4.9	4.7	4.5	4.8	4.6	4.4	4.5
1970.....	4.3	4.4	4.2	4.0	4.1	4.0	4.1	4.1	3.8	3.6	3.7	3.8
1971.....	3.8	3.7	3.9	4.0	3.8	3.7	3.6p					
New hires												
1960.....	2.6	2.8	2.4	2.2	2.3	2.2	2.1	2.2	2.1	1.9	1.9	1.8
1961.....	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.5	2.5	2.5
1962.....	2.6	2.6	2.6	2.6	2.7	2.5	2.6	2.4	2.4	2.3	2.3	2.1
1963.....	2.3	2.3	2.4	2.4	2.5	2.4	2.4	2.4	2.5	2.4	2.2	2.5
1964.....	2.4	2.5	2.6	2.6	2.4	2.6	2.6	2.6	2.7	2.6	2.7	2.8
1965.....	2.8	3.0	3.3	2.8	2.9	3.1	3.0	3.1	3.1	3.2	3.5	3.7
1966.....	3.7	3.9	4.3	3.9	4.0	3.9	3.7	3.8	3.7	3.8	3.8	3.5
1967.....	3.5	3.4	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.4	3.4
1968.....	3.4	3.3	3.4	3.5	3.5	3.3	3.5	3.5	3.6	3.6	3.6	3.7
1969.....	3.8	3.7	3.9	3.8	3.7	3.8	3.7	3.5	3.7	3.6	3.5	3.5
1970.....	3.3	3.1	3.0	2.9	2.7	2.7	2.8	2.9	2.6	2.4	2.4	2.3
1971.....	2.3	2.4	2.5	2.5	2.5	2.4	2.5p					
Total separations												
1960.....	3.5	4.1	4.4	4.4	4.3	4.4	4.3	4.3	4.2	4.3	4.5	5.0
1961.....	4.6	4.6	4.2	3.6	3.8	4.0	4.0	3.7	4.1	3.9	4.0	4.1
1962.....	3.9	4.0	4.0	3.9	4.2	4.2	4.2	4.4	3.9	4.1	4.1	3.9
1963.....	4.0	3.8	3.9	3.9	3.9	3.8	3.9	4.1	3.8	3.8	4.0	3.9
1964.....	4.0	4.0	3.9	3.8	3.9	3.9	4.1	3.6	3.9	4.0	3.8	3.9
1965.....	3.8	3.7	3.8	4.0	3.9	4.0	4.0	4.2	4.2	4.2	4.2	4.4
1966.....	4.1	4.3	4.6	4.7	4.6	4.8	4.9	4.7	4.9	4.5	4.7	4.6
1967.....	4.6	4.8	5.1	4.7	4.5	4.7	4.4	4.3	4.6	4.4	4.4	4.4
1968.....	4.6	4.6	4.6	4.4	4.6	4.5	4.6	4.9	4.6	4.6	4.6	4.3
1969.....	4.7	4.7	4.9	4.9	4.9	5.0	4.9	5.1	4.9	5.0	4.8	4.8
1970.....	5.0	5.1	4.9	5.2	4.9	4.8	4.9	4.6	4.4	4.9	4.8	4.7
1971.....	4.4	4.1	4.1	4.3	4.0	4.1	4.3p					
Quits												
1960.....	1.5	1.6	1.5	1.5	1.3	1.4	1.4	1.3	1.3	1.2	1.1	1.1
1961.....	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4
1962.....	1.3	1.5	1.4	1.4	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.3
1963.....	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.3
1964.....	1.4	1.4	1.4	1.4	1.5	1.4	1.5	1.5	1.5	1.6	1.5	1.6
1965.....	1.7	1.7	1.7	1.8	1.7	1.8	1.8	1.8	2.0	2.0	2.1	2.2
1966.....	2.3	2.3	2.6	2.7	2.6	2.6	2.5	2.6	2.6	2.6	2.6	2.7
1967.....	2.5	2.4	2.4	2.3	2.3	2.4	2.1	2.3	2.3	2.3	2.4	2.4
1968.....	2.4	2.4	2.4	2.3	2.5	2.4	2.5	2.7	2.5	2.6	2.6	2.5
1969.....	2.7	2.7	2.7	2.8	2.8	2.7	2.8	2.8	2.6	2.7	2.6	2.5
1970.....	2.5	2.4	2.3	2.2	2.2	2.2	2.1	2.1	2.0	1.9	1.7	1.9
1971.....	1.8	1.7	1.7	1.7	1.8	1.9	1.8p					
Layoffs												
1960.....	1.5	1.9	2.3	2.4	2.3	2.5	2.4	2.6	2.5	2.6	2.7	2.8
1961.....	2.7	3.0	2.5	2.1	2.2	2.3	2.2	2.0	2.2	1.8	1.9	2.0
1962.....	1.8	2.0	1.8	1.8	2.0	2.0	2.0	2.4	2.0	2.1	2.0	1.9
1963.....	1.9	1.8	1.9	1.8	1.8	1.7	1.7	2.0	1.9	1.8	1.8	1.7
1964.....	1.8	1.8	1.8	1.6	1.7	1.6	1.7	1.5	1.6	1.7	1.5	1.6
1965.....	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7	1.4	1.3	1.4	1.4
1966.....	1.2	1.1	1.1	1.2	1.1	1.3	1.5	1.2	1.1	1.1	1.2	1.3
1967.....	1.3	1.4	1.7	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2
1968.....	1.3	1.3	1.2	1.1	1.2	1.1	1.3	1.4	1.2	1.2	1.1	1.1
1969.....	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.2	1.4
1970.....	1.5	1.6	1.7	2.0	1.8	1.9	1.6	1.8	1.9	2.1	2.0	1.8
1971.....	1.7	1.5	1.5	1.6	1.5	1.5	1.5p					

p = preliminary.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

D-4: Labor turnover rates in manufacturing for selected States and areas

State and area	(Per 100 employees)											
	Accession rates				Separation rates							
	Total		New hires		Total		Quits		Layoffs			
June 1971	P	May 1971	June 1971	P	May 1971	June 1971	P	May 1971	June 1971	P	May 1971	
ALABAMA:												
Birmingham	3.2		3.3	2.7		2.5	2.7		2.6	1.5		1.4
Mobile ¹	7.7		6.6	3.4		2.5	4.9		5.6	1.9		1.7
ALASKA:												
	38.4		33.7	29.2		20.5	7.2		9.7	4.6		6.0
ARIZONA:												
Phoenix	5.9		4.8	4.3		3.2	4.4		5.5	2.4		2.3
	5.6		4.7	3.8		3.1	4.2		5.3	2.0		2.2
ARKANSAS:												
Fort Smith	7.5		7.6	6.3		6.1	5.9		5.8	4.1		3.9
Little Rock-North Little Rock	7.8		7.5	5.7		5.9	7.2		7.9	4.4		5.6
Pine Bluff	7.3		7.2	6.6		6.4	5.9		6.6	4.0		4.2
	5.3		4.0	4.1		3.3	5.7		4.3	3.0		3.0
COLORADO:												
Denver	7.0		5.3	5.3		4.1	4.9		4.0	2.6		2.1
	6.7		5.8	5.4		4.6	5.3		4.1	2.7		2.4
CONNECTICUT:												
Hartford	3.2		2.6	2.3		1.7	2.6		2.8	1.2		1.1
	2.1		1.8	1.5		1.2	2.5		3.1	1.0		1.1
DELAWARE¹:												
Wilmington ¹	3.0		3.4	2.2		2.4	2.3		2.4	1.0		1.2
	3.2		3.4	2.4		2.5	2.3		2.3	1.0		1.1
DISTRICT OF COLUMBIA:												
Washington SMSA	(*)		2.6	(*)		2.6	(*)		2.8	(*)		2.0
FLORIDA:												
Fort Lauderdale-Hollywood	6.6		6.3	5.4		4.9	6.5		7.6	3.6		3.7
Jacksonville	6.7		7.0	5.9		5.7	8.1		6.6	4.2		3.3
Miami	5.8		9.0	5.2		5.5	4.4		9.9	3.3		3.8
Orlando	5.6		4.5	5.0		4.0	6.4		4.6	2.4		2.6
Pensacola	4.7		5.8	3.5		4.2	6.8		6.2	2.5		2.7
Tampa-St. Petersburg	1.6		2.2	1.5		1.1	1.6		2.1	1.2		.8
West Palm Beach	9.1		9.2	8.3		7.2	9.4		8.4	5.9		5.8
	4.5		2.7	3.3		1.8	4.3		3.5	3.1		1.9
GEORGIA:												
Atlanta ²	6.2		4.9	5.2		4.0	5.0		4.9	3.6		3.5
	4.9		3.9	4.2		3.2	3.9		4.6	2.7		2.8
HAWAII³:												
	3.3		1.7	2.2		1.4	1.8		2.5	.9		1.2
IDAHO⁴:												
	11.9		13.2	7.9		7.7	4.5		4.7	2.9		2.4
ILLINOIS:												
Chicago	4.0		3.0	3.1		2.3	3.1		3.1	1.6		1.5
INDIANA¹:												
Indianapolis ⁵	4.4		3.6	2.9		2.2	2.9		2.8	1.4		1.2
	3.6		2.9	1.9		1.5	2.6		2.8	1.1		1.1
IOWA:												
Cedar Rapids	5.2		3.7	3.3		2.1	3.2		3.4	1.3		1.3
Des Moines	3.8		2.4	2.5		.7	3.4		4.4	.8		1.3
	4.1		3.6	3.0		2.4	2.8		3.5	1.7		1.7
KANSAS:												
Topeka	4.9		4.8	3.3		3.2	3.6		3.6	1.7		1.8
Wichita	4.4		3.4	1.8		1.8	2.4		3.2	1.2		1.5
	4.9		4.5	3.0		2.2	2.8		2.3	.9		1.1
KENTUCKY:												
Louisville	3.6		3.3	2.4		2.1	3.2		2.9	1.7		1.3
	3.3		2.5	2.0		1.4	2.7		2.3	.9		.9
LOUISIANA:												
New Orleans	6.0		6.5	4.4		4.3	4.1		3.8	1.8		1.9
MAINE:												
Portland	8.9		6.6	5.8		4.1	5.1		6.0	3.0		3.0
	7.2		3.2	4.4		2.0	3.6		3.3	2.4		1.6
MARYLAND:												
Baltimore	4.1		3.0	2.8		1.9	3.7		3.5	1.6		1.5
	4.0		3.1	2.8		2.2	3.7		3.2	1.6		1.5

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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D-4: Labor turnover rates in manufacturing for selected States and areas--Continued

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
June 1971 ^P	May 1971	June 1971 ^P	May 1971	June 1971 ^P	May 1971	June 1971 ^P	May 1971	June 1971 ^P	May 1971	
MASSACHUSETTS.....	4.3	3.5	3.0	2.2	3.4	3.5	1.7	1.5	0.8	1.3
Boston.....	3.8	3.0	2.8	2.0	3.1	3.2	1.6	1.3	.8	1.1
MICHIGAN.....	4.0	3.2	1.9	1.3	3.3	3.3	.9	.8	1.4	1.6
Detroit.....	3.8	3.3	1.9	1.4	2.7	3.1	.9	.8	.9	1.3
MINNESOTA.....	5.7	3.8	4.0	2.2	3.3	3.3	1.6	1.5	1.0	1.2
Minneapolis-St. Paul.....	4.5	3.4	3.1	1.8	3.1	3.2	1.5	1.3	1.0	1.3
MISSISSIPPI:										
Jackson.....	3.9	5.6	3.5	4.4	3.3	4.4	2.1	2.8	.5	
MISSOURI.....	4.3	3.5	2.9	2.3	3.4	3.6	1.7	1.6	.9	1.2
Kansas City.....	3.8	3.3	2.8	2.4	3.1	3.4	1.5	1.6	.8	1.0
St. Louis.....	3.5	2.7	2.2	1.5	2.7	2.8	1.1	.9	.7	1.2
MONTANA.....	7.2	5.0	6.5	3.9	3.6	3.5	2.1	2.2	.6	.4
NEBRASKA.....	5.6	4.5	4.3	3.4	3.6	3.1	2.0	1.9	.7	.4
NEVADA.....	7.5	5.3	6.6	4.4	5.5	4.7	3.4	2.1	.3	1.4
NEW HAMPSHIRE.....	5.3	4.6	4.3	3.4	4.2	3.9	2.8	2.5	.7	.6
NEW JERSEY:										
Camden ⁶	5.1	4.8	3.8	3.8	3.3	3.6	1.3	1.5	.9	1.0
Jersey City.....	4.3	3.0	2.4	2.2	3.3	3.4	1.2	1.1	1.4	1.6
Newark.....	4.0	3.4	2.9	2.4	3.5	3.0	1.3	1.2	1.3	.9
Paterson-Clifton-Passaic.....	3.8	3.5	2.6	2.2	2.9	3.5	1.3	1.2	.7	1.6
Perth Amboy.....	3.9	3.0	2.4	1.9	3.4	3.3	1.2	1.1	1.5	1.3
Trenton.....	3.6	2.5	2.7	1.7	3.8	2.3	1.1	.9	2.1	.7
NEW YORK.....	4.4	3.8	2.7	2.2	4.0	3.8	1.3	1.3	2.0	1.8
Albany-Schenectady-Troy.....	3.0	2.7	2.0	1.7	2.8	3.0	1.2	1.0	.8	1.1
Binghamton.....	2.7	2.1	1.4	1.1	1.7	2.5	.8	.8	.3	1.2
Buffalo.....	3.3	2.8	2.0	1.2	3.2	2.6	.9	.8	1.6	1.1
Elmira.....	3.2	3.0	1.9	1.6	1.9	3.2	1.0	.8	.3	1.7
Monroe County ⁷	3.2	1.7	2.7	1.4	1.5	1.9	.8	.8	.3	.6
Nassau and Suffolk Counties ⁸	4.8	4.0	3.4	2.7	4.1	4.0	1.8	1.7	1.5	1.3
New York SMSA.....	5.0	4.6	3.0	2.8	4.8	5.0	1.4	1.5	2.6	2.6
New York City ⁸	5.2	4.9	3.0	2.9	5.2	5.4	1.3	1.5	3.0	3.1
Rochester.....	3.5	1.9	2.8	1.5	1.8	2.4	.9	.9	.4	1.0
Syracuse.....	3.5	2.2	2.0	1.2	2.1	2.2	1.0	1.0	.5	.8
Utica-Rome.....	3.0	3.6	1.9	1.9	2.9	3.2	.9	1.0	1.4	1.2
Westchester County ⁸	3.2	2.3	2.1	1.6	2.9	2.5	1.1	1.1	1.1	.8
NORTH CAROLINA.....	5.6	4.7	4.7	3.9	4.3	4.9	3.1	3.4	.3	.5
Charlotte.....	5.2	5.5	4.7	5.2	4.5	4.8	3.4	3.8	.3	.2
Greensboro--Winston-Salem--High Point.....	5.7	4.3	4.6	3.6	4.1	4.3	2.8	2.9	.4	.4
NORTH DAKOTA.....	7.6	7.4	6.4	5.5	8.1	7.8	2.7	3.6	4.6	3.3
Fargo-Moorhead.....	(*)	7.6	(*)	4.1	(*)	3.1	(*)	2.4	(*)	.5
OHIO.....	3.6	2.7	2.2	1.5	3.4	2.6	1.0	.9	1.6	1.0
Akron.....	2.9	1.9	1.4	.8	2.8	2.3	1.1	.6	.9	1.0
Canton.....	3.6	2.5	1.8	1.2	4.8	4.6	.9	.9	2.9	2.6
Cincinnati.....	3.5	3.0	2.3	1.6	5.1	2.8	1.0	.9	3.4	1.3
Cleveland.....	3.3	2.5	2.0	1.5	3.1	2.5	1.1	1.0	1.2	.8
Columbus.....	3.2	2.7	2.3	1.7	3.4	3.2	1.6	1.3	1.1	1.2
Dayton.....	2.7	2.3	1.2	.9	3.9	2.8	1.1	.8	2.0	1.4
Toledo.....	4.0	3.7	2.8	2.1	2.8	2.5	1.0	.9	.8	.7
Youngstown-Warren.....	2.9	2.9	1.7	1.5	3.8	2.1	.7	.7	1.9	.4
OKLAHOMA.....	5.1	4.4	4.1	3.3	4.5	4.5	2.6	2.6	1.0	1.1
Oklahoma City.....	5.6	5.9	4.4	4.4	6.2	5.2	3.5	3.4	1.4	.8
Tulsa ⁹	4.8	3.5	3.9	2.9	3.7	4.4	2.3	2.3	.4	1.2
OREGON ¹	6.8	5.7	5.5	4.3	4.1	4.1	2.0	1.9	1.2	1.3
Portland ¹	5.2	5.3	3.9	3.6	3.9	4.2	1.7	1.6	1.5	1.9

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**
D-4: Labor turnover rates in manufacturing for selected States and areas--Continued

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
June 1971	May 1971	June 1971	May 1971	June 1971	May 1971	June 1971	May 1971	June 1971	May 1971	
PENNSYLVANIA:										
Allentown-Bethlehem-Easton	3.6	2.7	2.4	1.7	2.8	3.0	1.1	1.2	1.0	1.3
Altoona	6.2	5.1	4.9	3.1	3.4	3.8	2.4	2.4	.5	.8
Erie	3.9	3.8	2.3	2.1	3.0	2.8	.9	1.3	1.1	.7
Harrisburg	4.5	2.7	3.4	2.0	2.6	3.0	1.3	1.2	.6	1.2
Johnstown	2.0	2.0	1.2	.9	3.8	2.5	.9	.7	2.6	1.1
Lancaster	4.6	3.2	3.8	2.3	3.2	2.8	2.0	1.9	.6	.3
Philadelphia	3.7	3.4	2.7	2.3	3.3	3.3	1.2	1.2	1.3	1.3
Pittsburgh	2.8	2.6	1.6	1.5	2.2	2.4	.6	.6	1.1	1.2
Reading	4.4	2.9	3.1	1.8	3.3	2.9	1.7	1.5	1.0	.8
Scranton	4.5	3.2	2.7	1.8	4.6	3.6	1.5	1.1	2.7	2.1
Wilkes-Barre-Hazleton	4.3	2.8	2.6	1.9	5.1	4.0	1.5	1.6	3.0	1.5
York	4.7	3.2	3.8	2.6	2.9	3.0	1.9	1.9	.4	.5
RHODE ISLAND:										
Providence-Pawtucket-Warwick	5.6	4.5	4.2	3.2	4.5	4.2	2.1	2.1	1.5	1.3
Providence-Pawtucket-Warwick	5.3	4.4	3.9	3.2	4.2	4.0	2.0	2.0	1.4	1.2
SOUTH CAROLINA:										
Greenville	5.8	6.2	5.1	5.2	4.9	5.7	3.7	3.7	.1	.7
SOUTH DAKOTA:										
Sioux Falls	5.8	4.9	4.6	3.7	4.2	3.5	1.7	2.0	2.0	1.2
Sioux Falls	7.6	5.9	3.5	3.2	6.7	4.7	1.5	1.4	4.8	3.1
TENNESSEE:										
Memphis	4.8	5.4	4.0	4.1	5.1	5.4	2.1	2.5	1.8	1.7
TEXAS:										
Dallas	4.6	4.6	3.9	3.9	4.6	4.6	2.6	2.8	1.0	.9
Fort Worth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston	4.5	4.2	4.0	3.5	3.8	3.6	2.4	2.1	.4	.5
San Antonio	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH⁴:										
Salt Lake City ⁴	7.8	4.4	5.1	3.3	4.7	4.3	2.2	1.9	1.8	1.7
Salt Lake City ⁴	6.2	4.3	5.0	3.6	4.8	3.9	2.2	2.0	1.9	1.1
VERMONT:										
Burlington	3.5	2.6	2.2	1.7	2.3	2.7	1.5	1.5	.3	.8
Burlington	2.5	1.6	1.6	.7	2.1	2.2	1.1	1.1	.3	.7
Springfield	4.5	2.9	.7	.9	1.9	2.2	.5	1.2	.9	.9
VIRGINIA:										
Richmond	5.9	4.5	4.8	3.5	4.2	4.1	2.5	2.5	.8	.7
Richmond	4.5	3.0	3.6	2.6	3.1	3.5	1.8	1.7	.6	.9
WASHINGTON:										
Seattle-Everett ¹⁰	4.1	3.1	2.5	2.0	4.2	3.6	1.1	1.0	2.6	2.0
WEST VIRGINIA:										
Charleston	1.5	.8	.8	.3	.9	1.6	.3	.3	.1	.5
WISCONSIN:										
Milwaukee	5.4	3.0	3.6	1.7	2.8	2.6	1.1	1.0	.9	1.0
Milwaukee	4.3	3.1	2.7	1.8	3.0	2.7	1.2	1.0	.9	.8
WYOMING:										
Wyoming	9.4	4.5	8.5	3.3	4.2	4.1	2.4	2.8	1.3	.7

¹ Excludes canning and preserving.

² Excludes agricultural chemicals and miscellaneous manufacturing.

³ Excludes canned fruits, vegetables, preserves, jams and jellies.

⁴ Excludes canning and preserving, and sugar.

⁵ Excludes canning and preserving, and newspapers.

⁶ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁷ Subarea of Rochester Standard Metropolitan Statistical Area.

⁸ Subarea of New York Standard Metropolitan Statistical Area.

⁹ Excludes new-hire rate for transportation equipment.

¹⁰ Excludes canning and preserving, printing and publishing.

*Not available.

p = preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA
JOB VACANCY

E-1: Number and rate of job vacancies in manufacturing, April 1969 to date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Number of job vacancies (In thousands)													
1969	-	-	-	293	290	240	256	312	288	242	209	185	263
1970	186	170	165	158	151	123	126	137	118	93	76	77	132
1971	81	80	83	93	95	89	93 _p						
Job vacancy rates ¹													
1969	-	-	-	1.4	1.4	1.2	1.3	1.5	1.4	1.2	1.0	0.9	1.3
1970	0.9	0.8	0.8	.8	.8	.6	.6	.7	.6	.5	.4	.4	.7
1971 .....	.4	.4	.4	.5	.5	.5	.5 _p						
Number of long-term job vacancies ² (In thousands)													
1969	-	-	-	137	131	110	109	121	127	111	101	90	120
1970	76	69	67	60	58	45	44	43	38	33	30	29	49
1971	28	27	27	28	27	25	27 _p						
Long-term job vacancy rates ²													
1969	-	-	-	0.7	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.6
1970	0.4	0.3	0.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.3
1971 .....	.1	.1	.1	.2	.1	.1	.1 _p						

¹ Computed by dividing the number of vacancies by the sum of employment plus vacancies and multiplying that quotient by 100.

² Long-term job vacancies are those vacancies that have remained unfilled for 30 days or more. The long-term job vacancy rate is computed by dividing the number of long-term vacancies by the sum of employment plus all job vacancies and multiplying that quotient by 100.

NOTE: Data have not yet been adjusted to reflect the effects of March 1970 benchmark employment levels and may be subject to change.

E-2: Job vacancy rates in manufacturing, by industry

Industry division and group	1971							1970						
	July ^p	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	
Job vacancy rates ¹														
Manufacturing	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.6	
Durable goods .....	.5	.4	.4	.4	.4	.4	.4	.4	.3	.3	.4	.5	.6
Nondurable goods .....	.6	.6	.6	.6	.5	.5	.5	.5	.5	.6	.7	.8	.7
Selected durable goods industries:														
Primary metal industries .....	.2	.2	.3	.4	.3	.3	.3	.2	.2	.3	.4	.6	.4
Machinery, except electrical .....	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.6	.5
Electrical equipment and supplies .....	.4	.5	.5	.5	.4	.4	.4	.4	.3	.4	.6	.7	.6
Transportation equipment .....	.6	.4	.4	.4	.4	.3	.4	.4	.4	.4	.4	.6	.5
Instruments and related products .....	.7	.9	.7	.8	.6	.5	.6	.5	.4	.6	.7	.7	.6
Selected nondurable goods industries:														
Textile mill products .....	.8	.9	.9	.9	.8	.6	.7	.6	.6	.8	1.0	1.0	.9
Apparel and other textile products	1.4	1.3	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.4	1.5	1.4	
Printing and publishing .....	.3	.3	.3	.4	.4	.4	.4	.3	.4	.4	.5	.6	.5
Chemicals and allied products .....	.4	.4	.5	.4	.5	.4	.4	.4	.4	.4	.6	.6	.6
Long-term job vacancy rates ²														
Manufacturing	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	
Durable goods .....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2
Nondurable goods .....	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3	.3
Selected durable goods industries:														
Primary metal industries	*	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	
Machinery, except electrical .....	.2	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2
Electrical equipment and supplies .....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1
Transportation equipment .....	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	.2	.2
Instruments and related products .....	.1	.2	.1	.1	.2	.1	.1	.1	.1	.1	.1	.2	.2
Selected nondurable goods industries:														
Textile mill products .....	.2	.2	.2	.2	.2	.2	.2	.1	.2	.2	.2	.2	.2
Apparel and other textile products .....	.7	.6	.7	.7	.7	.7	.6	.6	.6	.6	.7	.8	.7
Printing and publishing .....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Chemicals and allied products .....	.1	.1	.2	.2	.2	.2	.1	.2	.2	.2	.2	.2	.3
Long-term job vacancies as a percent of job vacancies ³														
Manufacturing	29	28	29	30	32	34	34	38	40	35	32	31	35	
Durable goods	25	23	23	24	27	26	29	36	37	34	30	30	33	
Nondurable goods	34	34	33	37	37	41	38	41	42	37	34	33	38	
Selected durable goods industries:														
Primary metal industries	24	26	30	24	28	23	21	29	34	44	31	27	36	
Machinery, except electrical	35	30	32	28	29	31	35	40	39	40	38	37	42	
Electrical equipment and supplies	20	15	16	18	19	14	26	26	30	27	24	25	22	
Transportation equipment	21	23	22	23	22	24	25	38	40	34	31	32	37	
Instruments and related products	19	21	16	18	32	19	20	25	28	21	20	24	23	
Selected nondurable goods industries:														
Textile mill products	20	21	20	23	19	27	23	24	25	23	22	21	24	
Apparel and other textile products	48	49	49	52	53	55	52	52	56	51	51	50	52	
Printing and publishing	27	26	19	20	21	21	20	26	23	23	22	21	27	
Chemicals and allied products	28	37	35	39	34	43	35	45	51	49	38	31	45	

¹ See footnote 1, table E-1.

² See footnote 2, table E-1.

³ Percentages are computed using unrounded rates.

NOTE: Data have not yet been adjusted to reflect the effects of March 1970 benchmark employment levels and may be subject to change.

**ESTABLISHMENT DATA
NATIONAL AND AREA JOB VACANCY**
E-3: Percent distribution of job vacancies in manufacturing, by industry

Industry division and group	1971							1970					
	July ^P	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Manufacturing	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Durable goods	51.5	48.7	47.2	49.4	47.8	49.6	46.9	48.5	46.6	49.1	48.8	51.5	51.0
Primary metal industries	2.2	3.0	4.2	4.9	4.9	5.0	4.1	4.1	3.8	3.5	5.0	5.5	4.5
Machinery, except electrical	8.2	7.2	7.2	7.3	7.9	8.0	8.4	8.9	9.1	8.6	8.5	8.1	8.4
Electrical equipment and supplies	8.1	9.5	8.5	8.6	7.7	9.5	8.5	9.0	8.4	9.0	9.3	9.8	10.0
Transportation equipment	11.5	8.3	8.0	7.9	7.6	7.8	7.9	8.6	7.5	7.0	5.9	7.2	6.6
Instruments and related products	3.4	4.4	3.4	3.6	3.0	2.6	3.1	2.6	2.4	3.1	2.5	2.4	2.4
Other durable goods industries	18.1	16.3	15.9	17.2	16.7	16.6	14.9	15.3	15.5	17.9	17.5	18.6	19.3
Nondurable goods	48.5	51.3	52.8	50.6	52.2	50.4	53.1	51.5	53.4	50.9	51.2	48.5	49.0
Textile mill products	8.0	9.2	8.9	8.7	9.0	7.5	7.9	7.7	8.1	8.1	8.1	7.1	6.9
Apparel and other textile products	19.6	19.9	20.1	19.7	21.5	21.0	21.0	20.4	20.7	17.2	16.3	15.7	15.0
Printing and publishing	3.5	3.9	3.9	4.3	4.7	4.9	6.0	4.1	5.2	5.2	4.6	5.1	4.4
Chemicals and allied products	4.6	4.8	5.1	4.9	5.7	5.8	4.9	6.1	5.4	4.6	5.2	4.9	5.3
Other nondurable goods industries	12.7	13.4	14.9	13.0	11.6	11.3	13.3	13.2	14.0	15.9	17.0	15.7	17.4

^ppreliminary.

NOTE: Data have not yet been adjusted to reflect the effects of March 1970 benchmark employment levels and may be subject to change.

E-4: Job vacancy rates, United States and selected areas

Areas	Job vacancy rates				Areas	Job vacancy rates			
	Total ¹		Long-term ²			Total ¹		Long-term ²	
	June ^P	May	June ^P	May		June ^P	May	June ^P	May
Manufacturing					Manufacturing—Continued				
United States ³	0.4	0.5	0.1	0.1					
Albany-Schenectady-Troy, N. Y. ....	.4	.5	.2	.2	Oklahoma City, Okla. ....	.7	.8	*	*
Atlanta, Ga. ....	.4	.4	.1	.1	Paterson-Clifton-Passaic, N. J. ....	.3	.4	.1	.1
Baltimore, Md. ....	.5	.5	.1	.1	Perth Amboy, N. J. ....	.6	.7	.2	.3
Boston, Mass. ....	.4	.6	.1	.1	Philadelphia, Pa. ....	.5	.7	.1	.2
Buffalo, N. Y. ....	.2	.3	.1	.1	Phoenix, Ariz.	1.0	.7	.1	.1
Cedar Rapids, Iowa ....	.5	.6	*	*	Portland, Ore. ....	.4	.3	*	.1
Dallas, Tex. ....	.5	.4	.1	.2	Providence-Pawtucket-Warwick, R. I. ....	.5	.5	.1	.1
Denver, Colo. ....	.3	.5	.1	.1	Richmond, Va. ....	.3	.2	.1	.1
Des Moines, Iowa ....	.4	.5	.1	.2					
Detroit, Mich. ....	.1	.2	*	*	Salt Lake City, Utah. ....	.3	.5	*	*
Greensboro-Winston-Salem-High Point, N. C.	1.3	1.1	.2	.2	St. Louis, Mo. ....	.2	.3	*	*
Houston, Tex. ....	.5	.7	.3	.3	Syracuse, N. Y. ....	.4	.3	.1	.1
Jersey City, N. J. ....	.2	.3	.1	.1	Tampa-St. Petersburg, Fla. ....	.4	.8	.1	.3
Kansas City, Mo. ....	.2	.5	.1	.1	Wichita, Kans. ....	.3	.2	.1	.1
Little Rock-North Little Rock, Ark. ....	.5	.6	.2	.1	Nonmanufacturing ⁴				
Miami, Fla. ....	.5	.5	.1	.1	Wholesale and retail trade:				
Milwaukee, Wis. ....	.3	.3	.1	.1	Boston, Mass. ....	.3	.3	.1	.
Minneapolis-St. Paul, Minn. ....	.4	.4	.1	.1	Finance, insurance and real estate:				
New Orleans, La. ....	.2	.2	*	.1	Hartford, Conn.	3.1	3.4	1.4	2.4
Newark, N. J. ....	.4	.4	.1	.1	Service:				
New York, N. Y. ....	.5	.4	.2	.1	Boston, Mass.	1.0	1.0	.2	.4
					Government:				
					Atlanta, Ga.	1.4	1.6	.7	.8
					Boston, Mass.	1.2	.6	.5	.4

¹ See footnote 1, table E-1.

² See footnote 2, table E-1.

³ Based on a nationwide sample which includes metropolitan areas not shown in the table as well as nonmetropolitan areas. Data have not yet been adjusted to reflect the effects of March 1970 benchmark employment levels and may be subject to change.

⁴ Additional industry data, by area, will be published when available.

* Less than 0.05.

^ppreliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

F-1: Insured unemployment under State programs

(Week including the 12th of the month)

State	Number (in thousands)					Rate (percent of average covered employment)		
	August 1971	July 1971	August 1970	Change August 1971 from ¹		August 1971	July 1971	August 1970
				July 1971	August 1970			
TOTAL ^{2,3}	1,986.8	1,978.6	1,747.9	8.2	239.0	3.8	3.7	3.3
SEASONALLY ADJUSTED	2,240.1	*2,071.2	*1,962.4	168.9	277.7	4.2	3.9	3.7
Alabama	23.2	22.8	20.3	.4	3.0	3.3	3.2	2.9
Alaska	3.0	3.4	2.8	-.4	.2	5.1	5.8	5.3
Arizona	10.4	11.0	11.1	-.5	-.7	2.7	2.8	3.0
Arkansas	12.0	12.6	11.9	-.6	.1	3.0	3.2	3.0
California	267.4	273.0	267.7	-5.6	-.4	5.1	5.2	5.1
Colorado	6.5	6.3	5.6	.2	1.0	1.3	1.2	1.1
Connecticut	71.7	76.9	55.4	-5.2	16.3	7.0	7.6	5.5
Delaware	7.5	4.8	7.7	2.7	-.2	4.4	2.8	4.5
District of Columbia	7.6	7.1	5.9	.5	1.7	2.2	2.0	1.7
Florida	41.7	43.1	38.5	-1.3	3.3	2.7	2.8	2.6
Georgia	23.2	20.3	25.9	2.9	-2.7	2.1	1.8	2.3
Hawaii	10.0	9.2	5.4	.7	4.6	3.8	3.5	2.2
Idaho	6.8	6.4	5.3	.5	1.5	4.4	4.1	3.5
Illinois	82.2	83.4	72.1	-1.2	10.1	2.6	2.6	2.2
Indiana	35.0	29.3	26.4	5.7	8.5	2.5	2.1	1.8
Iowa	11.9	12.7	13.0	-.8	-1.2	2.0	2.2	2.2
Kansas	12.8	14.3	18.5	-1.5	-5.7	3.0	3.3	4.2
Kentucky	20.1	22.4	14.8	-2.3	5.3	3.2	3.6	2.4
Louisiana	26.0	27.1	26.2	-1.1	-.2	3.6	3.7	3.6
Maine	12.0	15.2	9.0	-3.2	3.0	5.4	6.8	4.0
Maryland	39.8	28.5	21.2	11.3	18.6	4.2	3.0	2.3
Massachusetts	85.2	96.7	73.3	-11.5	11.9	4.9	5.5	4.2
Michigan	143.6	*109.3	141.3	34.3	2.3	6.1	4.6	5.7
Minnesota	22.3	22.9	21.2	-.6	1.1	2.3	2.3	2.2
Mississippi	7.3	8.6	7.7	-1.3	-.5	1.9	2.2	2.0
Missouri	45.0	39.2	39.7	5.8	5.4	3.8	3.3	3.3
Montana	5.0	3.6	2.8	1.4	2.1	3.9	2.8	2.3
Nebraska	4.5	5.2	3.8	-.7	.7	1.5	1.7	1.3
Nevada	6.9	6.6	5.6	.3	1.4	4.3	4.1	3.6
New Hampshire	6.7	9.5	4.2	-2.9	2.4	3.4	4.9	2.2
New Jersey	102.6	108.7	85.5	-6.1	17.1	5.0	5.3	4.1
New Mexico	7.3	7.2	7.4	.1	-.1	3.9	3.9	4.0
New York	232.2	247.0	187.1	-14.8	45.1	4.1	4.4	3.3
North Carolina	27.0	30.4	25.0	-3.4	2.0	2.0	2.3	1.9
North Dakota	1.4	1.7	1.0	-.3	.4	1.7	2.0	1.2
Ohio	90.6	82.2	56.6	8.4	34.0	3.1	2.8	1.9
Oklahoma	16.8	16.7	14.2	.1	2.6	3.4	3.4	2.9
Oregon	21.5	24.4	22.1	-2.8	-.5	4.0	4.5	4.1
Pennsylvania	133.5	127.7	97.5	5.8	36.0	4.0	3.8	2.9
Puerto Rico ²	59.5	48.5	54.6	11.0	4.9	11.5	11.0	9.0
Rhode Island	16.6	17.8	15.7	-1.2	.8	5.9	6.4	5.6
South Carolina	15.4	17.6	16.2	-2.2	-.8	2.5	2.8	2.6
South Dakota	1.4	1.5	1.1	-.1	.3	1.5	1.6	1.2
Tennessee	24.7	28.0	27.6	-3.3	-2.9	2.6	2.9	2.9
Texas	43.9	42.1	36.9	1.8	7.0	1.7	1.6	1.4
Utah	8.8	6.9	6.1	1.9	2.7	3.8	3.0	2.7
Vermont	4.0	4.6	3.0	-.6	1.0	3.9	4.5	2.9
Virginia	11.8	13.0	9.4	-1.2	2.4	1.2	1.3	.9
Washington	68.7	75.4	75.1	-6.6	-6.4	8.8	9.7	9.1
West Virginia	11.3	12.3	8.6	-1.0	2.7	3.1	3.4	2.4
Wisconsin	29.6	32.9	32.1	-3.3	-2.5	2.6	2.9	2.8
Wyoming	.8	.8	.7	-	.2	1.1	1.1	.9

¹ Based on unrounded data; changes of less than 50 not shown.
² Include data under the program for Puerto Rico's sugarcane workers. Rates exclude the sugarcane workers as comparable covered employment data are not yet available.
³ Figures do not include claimants receiving benefits under extended benefit provisions.
* Revised

F-2: Insured unemployment¹ in 150 major labor areas²

(In thousands, for week including the 12th of the month)

State and area	August 1971	August 1970	State and area	August 1971	August 1970	State and area	August 1971	August 1970	State and area	August 1971	August 1970
ALABAMA			INDIANA			NEW HAMPSHIRE			Pennsylvania--		
Birmingham.....	6.8	4.3	Evansville.....	1.0	1.4	Manchester.....	1.2	8	continued		
Mobile.....	2.6	2.3	Fr. Wayne.....	1.2	1.7				York.....	2.8	2.
			Gary-Hammond..	11.1	2.4						
			Indianapolis....	4.6	5.1	NEW JERSEY			PUERTO RICO		
ARIZONA			South Bend.....	1.9	2.2	Atlantic City....	2.2	2.4	Mayaguez.....	2.5	2.8
Phoenix.....	6.8	8.0	Terre Haute.....	.9	.7	Jersey City....	14.2	12.5	Ponce.....	4.0	2.6
						Newark.....	29.0	24.5	San Juan.....	9.0	6.4
						New Brunswick..	12.3	9.5			
ARKANSAS			IOWA			Paterson.....	21.3	19.0			
Little Rock.....	1.5	1.6	Cedar Rapids....	1.0	1.0	Trenton.....	3.5	2.4			
			Des Moines.....	1.4	.8				RHODE ISLAND		
						NEW MEXICO			Providence.....	19.0	18.3
CALIFORNIA			KANSAS			Albuquerque....	2.8	3.3			
Anaheim-S. Ana-			Wichita.....	4.9	8.2				SOUTH CAROLINA		
Garden Grove..	18.5	20.1				NEW YORK			Charleston.....	2.3	1.6
Fresno.....	4.4	4.4	KENTUCKY			Albany.....	6.0	4.4	Greenville.....	1.7	1.7
Los Angeles....	123.2	128.0	Louisville.....	8.8	4.8	Binghamton....	2.4	2.1			
Sacramento.....	8.5	8.9				Buffalo.....	26.3	11.9			
San Bernardino..	13.9	13.8	LOUISIANA			New York.....	166.5	142.0			
San Diego.....	15.9	17.1	Baton Rouge....	2.0	1.9	Rochester.....	7.9	7.6			
San Francisco..	49.2	41.0	New Orleans....	8.2	8.0	Syracuse.....	4.8	5.6	TENNESSEE		
San Jose.....	13.2	15.0	Shreveport.....	2.2	1.9	Utica.....	5.3	3.4	Chattanooga....	1.7	2.2
Stockton.....	3.5	3.5							Knoxville.....	2.8	3.0
			MAINE			NORTH CAROLINA			Memphis.....	4.0	4.3
COLORADO			Portland.....	1.0	1.1	Asheville.....	.7	1.2	Nashville.....	3.6	3.0
Denver.....	3.8	3.5				Charlotte.....	1.9	1.8			
			MARYLAND			Durham.....	.6	.8	TEXAS		
			Baltimore.....	32.4	15.7	Greensboro-			Austin.....	.7	.6
						Winston-Salem..	3.4	2.5	Beaumont.....	3.2	2.2
CONNECTICUT			MASSACHUSETTS						Corpus Christi..	.9	1.1
Bridgeport.....	11.3	9.0	Boston.....	39.3	33.7	OHIO			Dallas.....	8.2	6.6
Hartford.....	14.9	10.9	Brockton.....	3.0	2.4	Akron.....	4.4	3.6	El Paso.....	1.9	1.6
New Britain....	4.9	4.4	Fall River.....	2.7	3.0	Canton.....	5.3	1.8	Ft. Worth.....	7.0	3.4
New Haven.....	8.6	6.1	Lawrence.....	6.0	5.5	Cincinnati.....	14.5	7.1	Houston.....	5.9	4.2
Stamford.....	2.9	2.3	Lowell.....	4.5	3.6	Cleveland.....	18.0	13.2	San Antonio....	2.8	3.1
Waterbury.....	6.6	5.5	New Bedford... Springfield..... Worcester.....	2.9 9.5 5.2	4.0 7.6 3.7	Columbus.....	4.0	3.3			
						Dayton.....	7.8	3.8	UTAH		
DELAWARE			MICHIGAN			Hamilton.....	2.7	1.2	Salt Lake City..	4.5	3.
Wilmington.....	7.8	7.6	Battle Creek... Detroit..... Flint..... Grand Rapids... Kalamazoo..... Lansing..... Muskegon..... Saginaw.....	2.1 69.7 12.6 6.5 2.3 13.5 3.7 4.0	1.9 73.9 15.1 8.0 2.1 11.5 3.2 1.4						
						Lorain.....	3.9	1.8	VIRGINIA		
DIST. OF COL.						Stuebenville... Toledo..... Youngstown....	.7 4.3 11.2	.6 4.3 2.1	Hampton.....	.8	1.4
Washington.....	12.8	10.1	MINNESOTA						Norfolk.....	1.2	1.4
			Duluth.....	2.9	1.4	OKLAHOMA			Richmond.....	1.1	.8
FLORIDA			Minneapolis....	12.9	14.6	Oklahoma City.. Tulsa.....	3.5 3.7	2.5 3.1	Roanoke.....	.7	.3
Jacksonville....	1.0	.7									
Miami.....	11.9	10.5	MISSISSIPPI			OREGON			WASHINGTON		
Tampa.....	5.3	4.5	Jackson.....	8	.9	Portland.....	12.8	13.5	Seattle.....	38.5	43.8
									Spokane.....	4.1	4.2
GEORGIA			MISSOURI			PENNSYLVANIA			Tacoma.....	6.5	7.9
Atlanta.....	11.7	12.8	Kansas City.... St. Louis.....	12.6 28.9	12.7 24.9	Allentown.....	8.2	4.0	WEST VIRGINIA		
Augusta.....	1.6	1.6				Altoona.....	1.7	1.3	Charleston.....	1.3	1.1
Columbus.....	1.0	1.3	MISSOURI			Erie.....	2.1	1.7	Huntington.....	3.3	1.7
Macon.....	.7	1.5	St. Louis.....	28.9	24.9	Harrisburg....	2.2	1.7	Wheeling.....	1.0	1.0
Savannah.....	.8	1.2				Johnstown.....	7.3	2.5			
			NEBRASKA			Lancaster.....	1.8	.9	WISCONSIN		
HAWAII			Omaha.....	2.8	2.0	Philadelphia... Pittsburgh.... Reading..... Scranton..... Wilkes-Barre... Wilkes-Barre... Wilkes-Barre...	54.5 35.5 3.3 3.4 6.4	44.0 17.1 2.6 3.9 6.0	Kenosha.....	.9	1.2
Honolulu.....	9.4	4.3							Madison.....	1.7	1.0
									Milwaukee.....	11.5	11.3
ILLINOIS									Racine.....	1.5	1.6
Chicago.....	57.8	42.9									
Davenport.....	3.2	2.6									
Peoria.....	2.1	1.6									
Rockford.....	2.8	4.3									

¹ Insured jobsless under State, Federal employee, and ex-servicemen's unemployment insurance programs excluding extended benefit claims.
² For full name of labor area, see Area Trends in Employment and Unemployment published by Manpower Administration.

ANNUAL REVISION TABLES

ESTABLISHMENT DATA

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A. EMPLOYEES ON NONAGRICULTURAL PAYROLLS, BY INDUSTRY, 1969 TO DATE
(IN THOUSANDS)

YEAR	ANNUAL AVERAGE	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.
TOTAL													
1969	70,284	68,317	68,525	69,021	69,600	70,079	71,138	70,505	70,778	70,987	71,343	71,361	71,757
1970	70,616	69,935	70,022	70,448	70,740	70,755	71,338	70,542	70,452	70,841	70,604	70,562	71,151
1971		69,527	69,450	69,782	70,309	70,738							
PRIVATE SECTOR													
1969	58,083	56,184	56,290	56,753	57,338	57,787	58,810	58,712	59,079	58,939	58,975	58,907	59,217
1970	58,081	57,506	57,468	57,804	58,026	58,080	58,759	58,487	58,495	58,469	57,883	57,727	58,266
1971		56,728	56,541	56,811	57,331	57,745							
MINING													
1969	619	603	602	601	609	615	629	635	638	631	624	622	623
1970	622	611	608	610	616	620	635	635	636	627	622	623	621
1971		611	606	608	617	622							
CONTRACT CONSTRUCTION													
1969	3,435	3,045	3,021	3,107	3,286	3,434	3,627	3,704	3,726	3,683	3,644	3,549	3,394
1970	3,345	3,049	3,070	3,157	3,282	3,339	3,496	3,565	3,599	3,497	3,471	3,383	3,233
1971		2,921	2,846	2,967	3,164	3,255							
MANUFACTURING													
1969	20,167	19,636	19,928	20,017	19,995	20,027	20,385	20,154	20,494	20,480	20,391	20,186	20,101
1970	19,369	19,814	19,757	19,782	19,614	19,413	19,604	19,306	19,419	19,481	18,813	18,603	18,823
1971		18,579	18,532	18,488	18,482	18,554							
DURABLE GOODS													
1969	11,895	11,766	11,792	11,847	11,845	11,860	12,054	11,893	11,995	12,035	12,012	11,836	11,808
1970	11,198	11,630	11,576	11,612	11,492	11,351	11,399	11,157	11,035	11,196	10,634	10,485	10,763
1971		10,646	10,597	10,550	10,562	10,607							
ORDNANCE AND ACCESSORIES													
1969	316.2	341.4	337.2	334.8	329.8	326.7	322.9	319.1	310.3	301.7	293.7	291.6	295.2
1970	242.1	276.3	270.7	263.5	253.1	247.1	243.0	236.0	232.3	229.7	221.9	218.2	213.2
1971		209.2	200.7	195.7	192.8	194.2							
LUMBER AND WOOD PRODUCTS													
1969	606.7	592.8	596.4	600.7	597.8	610.5	632.7	624.6	625.9	612.6	599.9	595.2	590.9
1970	572.5	577.2	571.4	570.7	567.3	571.2	588.3	580.7	582.8	577.1	568.5	560.9	552.4
1971		544.5	550.7	554.2	556.4	566.9							
FURNITURE AND FIXTURES													
1969	483.9	460.9	482.8	481.7	481.8	481.1	487.6	476.7	489.4	487.5	488.7	485.8	482.7
1970	459.9	476.0	470.4	468.9	462.9	451.5	453.9	446.0	457.0	460.2	459.3	458.3	453.8
1971		449.4	447.3	447.4	448.1	451.3							
STONE, CLAY, AND GLASS PRODUCTS													
1969	656.4	635.0	634.5	641.9	649.8	651.8	670.9	671.2	674.3	669.4	665.0	662.0	651.5
1970	639.5	633.0	633.8	635.9	640.2	638.5	650.9	644.7	650.1	648.3	636.8	628.1	621.5
1971		606.1	604.8	608.9	622.8	630.1							
PRIMARY METAL INDUSTRIES													
1969	1,360.8	1,319.0	1,333.7	1,341.5	1,345.5	1,355.8	1,385.7	1,377.3	1,379.2	1,378.3	1,369.0	1,370.3	1,374.5
1970	1,314.8	1,358.8	1,355.0	1,347.3	1,333.6	1,328.2	1,340.1	1,325.3	1,315.0	1,317.1	1,260.5	1,239.0	1,252.2
1971		1,255.3	1,250.4	1,265.7	1,273.3	1,278.8							
FABRICATED METAL PRODUCTS													
1969	1,440.4	1,423.5	1,425.9	1,429.4	1,429.1	1,432.8	1,455.3	1,427.2	1,447.2	1,457.1	1,451.5	1,453.2	1,452.6
1970	1,379.9	1,428.5	1,416.0	1,411.0	1,396.6	1,379.3	1,394.5	1,364.3	1,378.8	1,394.9	1,333.6	1,315.7	1,345.1
1971		1,325.4	1,321.2	1,291.0	1,323.3	1,328.5							
MACHINERY, EXC. ELECTRICAL													
1969	2,032.6	1,997.3	2,018.4	2,022.4	2,030.1	2,026.0	2,052.4	2,038.0	2,028.7	2,041.4	2,044.9	2,037.6	2,054.0
1970	1,978.9	2,057.2	2,071.2	2,075.4	2,056.1	2,021.4	2,012.1	1,982.3	1,945.1	1,928.7	1,874.6	1,851.6	1,846.9
1971		1,827.2	1,819.3	1,812.2	1,796.7	1,784.3							
ELECTRICAL EQUIPMENT AND SUPPLIES													
1969	2,018.9	1,999.3	2,003.6	2,001.3	2,005.7	2,014.8	2,039.1	2,030.1	2,057.7	2,068.2	2,083.3	1,970.2	1,965.4
1970	1,922.9	1,946.2	2,007.7	1,996.6	1,971.7	1,944.2	1,942.3	1,921.5	1,915.5	1,908.6	1,863.4	1,826.9	1,823.7
1971		1,801.9	1,790.3	1,781.2	1,772.8	1,775.5							

A. EMPLOYEES ON NONAGRICULTURAL PAYROLLS, BY INDUSTRY, 1969 TO DATE--CONTINUED
(IN THOUSANDS)

YEAR	ANNUAL AVERAGE	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	NO ¹
DURABLE GOODS--CONTINUED													
TRANSPORTATION EQUIPMENT													
1969	2,060.5	2,027.2	2,066.9	2,089.6	2,066.5	2,046.9	2,081.5	2,016.0	2,046.9	2,086.0	2,075.4	2,035.2	2,027.7
1970	1,806.8	1,933.5	1,885.1	1,946.8	1,913.1	1,880.8	1,873.0	1,783.6	1,729.6	1,842.1	1,531.7	1,513.2	1,798.0
1971		1,786.7	1,776.1	1,765.4	1,748.7	1,764.0							
INSTRUMENTS AND RELATED PRODUCTS													
1969	476.6	470.3	472.5	475.5	476.0	477.0	480.6	477.8	482.3	476.8	476.5	476.9	477.5
1970	458.8	472.4	471.1	471.0	468.8	465.0	462.2	457.1	455.9	451.7	446.1	442.4	439.5
1971		436.1	430.3	428.5	425.4	427.6							
MISCELLANEOUS MANUFACTURING INDUSTRIES													
1969	441.0	419.0	419.7	427.9	432.3	436.6	445.0	434.6	452.8	455.8	464.5	457.9	445.6
1970	425.7	420.6	422.8	424.8	423.3	424.2	428.5	415.0	433.3	436.6	437.0	430.7	412.0
1971		393.7	395.8	399.5	401.7	406.2							
NONDURABLE GOODS													
1969	8,272	8,070	8,136	8,170	8,150	8,167	8,331	8,271	8,499	8,445	8,379	8,350	8,293
1970	8,171	8,184	8,181	8,170	8,122	8,062	8,215	8,149	8,324	8,285	8,179	8,118	8,060
1971		7,933	7,935	7,938	7,920	7,947							
FOOD AND KINDRED PRODUCTS													
1969	1,790.8	1,718.6	1,709.8	1,707.2	1,710.6	1,723.5	1,783.9	1,827.4	1,935.6	1,921.3	1,853.1	1,820.2	1,778.1
1970	1,781.7	1,730.6	1,725.9	1,722.0	1,709.8	1,724.1	1,782.5	1,812.2	1,908.1	1,892.1	1,836.6	1,786.8	1,749.2
1971		1,696.1	1,682.9	1,678.6	1,674.3	1,693.2							
TOBACCO MANUFACTURES													
1969	83.0	84.5	80.2	75.8	72.0	71.4	72.7	72.8	94.5	99.6	96.6	89.3	86.2
1970	81.7	82.2	80.0	76.4	73.9	73.2	73.9	74.2	91.9	93.2	91.6	86.1	84.1
1971		78.0	75.6	70.1	69.2	68.4							
TEXTILE MILL PRODUCTS													
1969	1,002.5	996.5	1,000.8	1,002.6	1,000.4	997.7	1,015.9	996.2	1,005.1	1,002.9	1,002.0	1,005.3	1,004.1
1970	977.6	977.2	990.7	989.0	986.9	979.6	984.3	961.3	975.6	974.3	965.5	964.0	963.2
1971		955.7	955.1	954.7	954.9	958.5							
APPAREL AND OTHER TEXTILE PRODUCTS													
1969	1,409.1	1,392.7	1,410.2	1,422.1	1,406.8	1,413.3	1,431.9	1,365.8	1,423.2	1,416.5	1,417.4	1,411.0	1,398.3
1970	1,372.2	1,378.8	1,393.5	1,391.3	1,370.4	1,359.4	1,386.3	1,334.0	1,378.2	1,377.6	1,368.3	1,369.0	1,359.0
1971		1,338.8	1,360.7	1,374.8	1,362.5	1,369.8							
PAPER AND ALLIED PRODUCTS													
1969	711.1	700.2	702.7	703.1	699.0	703.1	720.0	714.6	721.3	716.3	714.3	718.2	720.2
1970	706.5	713.1	710.8	711.2	710.4	704.3	716.3	706.0	708.3	704.7	694.6	699.5	698.2
1971		689.7	685.8	683.8	683.4	675.3							
PRINTING AND PUBLISHING													
1969	1,093.6	1,075.8	1,079.7	1,083.8	1,084.2	1,078.0	1,092.4	1,093.1	1,098.4	1,099.3	1,108.3	1,114.1	1,116.6
1970	1,106.8	1,108.1	1,110.5	1,112.8	1,110.5	1,103.0	1,106.1	1,105.0	1,104.8	1,104.2	1,104.7	1,105.0	1,107.0
1971		1,094.2	1,094.1	1,092.0	1,087.0	1,085.1							
CHEMICALS AND ALLIED PRODUCTS													
1969	1,059.9	1,041.0	1,047.9	1,054.9	1,058.4	1,056.1	1,072.2	1,075.4	1,075.8	1,062.5	1,056.7	1,058.4	1,059.8
1970	1,051.3	1,055.9	1,057.7	1,060.3	1,059.5	1,053.4	1,058.8	1,060.3	1,059.2	1,048.8	1,040.2	1,032.8	1,028.7
1971		1,021.7	1,019.4	1,019.1	1,021.6	1,020.4							
PETROLEUM AND COAL PRODUCTS													
1969	182.3	124.6	165.7	182.9	186.6	187.3	192.3	194.7	194.3	190.9	190.7	189.8	187.5
1970	190.4	186.6	187.0	188.2	188.8	190.4	195.0	195.7	195.0	191.3	190.0	189.2	187.9
1971		186.9	186.3	187.0	188.0	189.8							
RUBBER AND PLASTICS PRODUCTS, NEC													
1969	596.3	583.5	587.1	588.9	589.3	581.3	601.4	591.4	602.7	602.9	605.0	606.5	605.5
1970	580.4	599.9	595.1	592.7	589.0	550.9	581.5	579.1	579.7	582.6	572.5	571.2	570.0
1971		561.5	566.0	571.2	572.9	577.7							

A. EMPLOYEES ON NONAGRICULTURAL PAYROLLS, BY INDUSTRY, 1969 TO DATE--CONTINUED
(IN THOUSANDS)

YEAR	ANNUAL AVERAGE	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.
NONDURABLE GOODS--CONTINUED													
LEATHER AND LEATHER PRODUCTS													
1969	343.2	352.5	351.9	348.4	343.1	344.4	348.7	339.2	348.4	333.1	334.7	337.0	336.7
1970	322.2	331.8	329.3	325.8	323.1	323.2	329.8	321.5	323.1	316.3	314.7	314.7	312.7
1971		310.0	309.0	306.6	306.5	308.8							
TRANSPORTATION AND PUBLIC UTILITIES													
1969	4,429	4,288	4,294	4,327	4,378	4,411	4,495	4,505	4,506	4,506	4,478	4,483	4,478
1970	4,504	4,438	4,424	4,448	4,440	4,475	4,567	4,601	4,582	4,568	4,531	4,520	4,454
1971		4,435	4,454	4,466	4,469	4,500							
WHOLESALE AND RETAIL TRADE													
1969	14,639	14,190	14,099	14,200	14,401	14,516	14,712	14,659	14,663	14,704	14,836	15,077	15,615
1970	14,922	14,686	14,584	14,679	14,798	14,853	14,966	14,891	14,838	14,902	15,002	15,154	15,706
1971		14,862	14,721	14,789	14,974	15,071							
WHOLESALE TRADE													
1969	3,733	3,650	3,643	3,650	3,660	3,677	3,756	3,782	3,789	3,772	3,790	3,804	3,822
1970	3,824	3,780	3,768	3,776	3,781	3,788	3,845	3,871	3,858	3,841	3,856	3,858	3,863
1971		3,810	3,799	3,806	3,808	3,823							
RETAIL TRADE													
1969	10,906	10,540	10,456	10,550	10,741	10,839	10,956	10,877	10,874	10,932	11,046	11,273	11,793
1970	11,098	10,906	10,816	10,903	11,017	11,065	11,121	11,020	10,980	11,061	11,146	11,296	11,843
1971		11,052	10,922	10,983	11,166	11,248							
FINANCE, INSURANCE, AND REAL ESTATE													
1969	3,564	3,445	3,465	3,489	3,518	3,537	3,591	3,636	3,650	3,606	3,601	3,609	3,619
1970	3,690	3,615	3,626	3,650	3,669	3,682	3,719	3,749	3,742	3,705	3,699	3,706	3,712
1971		3,709	3,715	3,735	3,758	3,780							
SERVICES													
1969	11,229	10,777	10,881	11,012	11,151	11,247	11,371	11,409	11,402	11,329	11,401	11,381	11,387
1970	11,630	11,293	11,399	11,478	11,607	11,698	11,772	11,740	11,679	11,689	11,745	11,738	11,717
1971		11,611	11,667	11,758	11,867	11,953							
GOVERNMENT													
1969	12,202	12,133	12,235	12,266	12,262	12,292	12,328	11,793	11,699	12,048	12,368	12,454	12,540
1970	12,535	12,429	12,554	12,644	12,714	12,675	12,579	12,055	11,957	12,372	12,721	12,835	12,885
1971		12,799	12,909	12,971	12,978	12,993							
FEDERAL GOVERNMENT													
1969	2,758	2,735	2,739	2,737	2,747	2,740	2,832	2,842	2,804	2,733	2,717	2,705	2,760
1970	2,705	2,690	2,694	2,758	2,838	2,765	2,710	2,700	2,675	2,649	2,643	2,648	2,693
1971		2,640	2,646	2,649	2,662	2,659							
STATE AND LOCAL GOVERNMENT													
1969	9,444	9,398	9,496	9,531	9,515	9,552	9,496	8,951	8,895	9,315	9,651	9,749	9,780
1970	9,830	9,739	9,860	9,886	9,876	9,910	9,869	9,355	9,282	9,723	10,078	10,187	10,192
1971		10,159	10,263	10,322	10,316	10,334							

B. PRODUCTION OR NONSUPERVISORY WORKERS¹ ON PRIVATE NONAGRICULTURAL PAYROLLS, 1969 TO DATE
(IN THOUSANDS)

TOTAL PRIVATE													
1969	48,105	46,452	46,521	46,923	47,458	47,848	48,780	48,636	48,973	48,864	48,890	48,812	49,107
1970	47,950	47,394	47,337	47,673	47,875	47,933	48,586	48,304	48,328	48,347	47,777	47,649	48,196
1971		46,678	46,505	46,775	47,296	47,708							
MANUFACTURING													
1969	14,767	14,533	14,610	14,670	14,637	14,656	14,957	14,700	15,013	15,041	14,953	14,758	14,673
1970	14,033	14,396	14,337	14,377	14,230	14,046	14,233	13,946	14,083	14,201	13,550	13,374	13,617
1971		13,400	13,378	13,345	13,357	13,441							
DURABLE GOODS													
1969	9,651	8,562	8,592	8,627	8,622	8,626	8,796	8,616	8,704	8,772	8,750	8,585	8,560
1970	8,043	8,384	8,332	8,384	8,285	8,164	8,216	7,997	7,961	8,096	7,548	7,425	7,721
1971		7,619	7,591	7,552	7,578	7,634							
NONDURABLE GOODS													
1969	6,116	5,971	6,018	6,043	6,015	6,030	5,161	6,084	6,309	6,269	6,203	6,173	6,113
1970	5,990	6,012	6,005	5,993	5,945	5,882	6,017	5,949	6,122	6,105	6,002	5,949	5,896
1971		5,781	5,787	5,793	5,779	5,807							

¹ DATA RELATE TO PRODUCTION WORKERS IN MINING AND MANUFACTURING; TO CONSTRUCTION WORKERS IN CONTRACT CONSTRUCTION; AND TO NON-SUPERVISORY WORKERS IN TRANSPORTATION AND PUBLIC UTILITIES; WHOLESALE AND RETAIL TRADE; FINANCE, INSURANCE, AND REAL ESTATE; AND SERVICES.

ESTABLISHMENT DATA

C. HOURS AND EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS¹ ON PRIVATE NONAGRICULTURAL PAYROLLS, 1969 TO DATE

YEAR	ANNUAL AVERAGE	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.
TOTAL PRIVATE													
AVERAGE WEEKLY EARNINGS—IN DOLLARS													
1969	114.61	110.33	110.11	111.38	112.13	113.55	114.84	115.52	116.21	117.87	116.94	116.69	117.62
1970	119.46	116.12	116.55	117.24	116.97	118.03	120.05	121.45	122.20	121.73	121.03	121.07	122.43
1971		121.88	122.28	123.31	124.05	125.49							
AVERAGE HOURLY EARNINGS—IN DOLLARS													
1969	3.04	2.95	2.96	2.97	2.99	3.02	3.03	3.04	3.05	3.11	3.11	3.12	3.12
1970	3.22	3.13	3.15	3.16	3.17	3.19	3.21	3.23	3.25	3.29	3.28	3.29	3.30
1971		3.33	3.35	3.36	3.38	3.41							
AVERAGE WEEKLY HOURS													
1969	37.7	37.4	37.2	37.5	37.5	37.9	38.0	38.1	37.9	37.6	37.4	37.4	37.7
1970	37.1	37.1	37.0	37.1	36.9	37.0	37.4	37.6	37.6	37.0	36.9	36.8	37.1
1971		36.6	36.5	36.7	36.7	36.8							
MANUFACTURING													
AVERAGE WEEKLY EARNINGS—IN DOLLARS													
1969	129.51	126.05	124.80	127.38	127.58	128.51	130.06	128.88	129.92	132.84	132.28	132.36	134.89
1970	133.73	131.60	130.34	132.40	131.47	132.93	134.74	134.46	134.13	135.43	133.45	134.58	138.45
1971		138.60	138.29	139.74	139.83	142.00							
AVERAGE HOURLY EARNINGS—IN DOLLARS													
1969	3.19	3.12	3.12	3.13	3.15	3.16	3.18	3.13	3.20	3.24	3.25	3.26	3.29
1970	3.36	3.29	3.29	3.31	3.32	3.34	3.36	3.37	3.37	3.42	3.37	3.39	3.47
1971		3.50	3.51	3.52	3.54	3.55							
AVERAGE WEEKLY HOURS													
1969	40.6	40.4	40.0	40.7	40.5	40.7	40.4	40.6	40.6	41.0	40.7	40.6	41.0
1970	39.8	40.0	39.8	40.0	39.6	39.8	40.1	39.9	39.9	39.6	39.6	39.7	39.9
1971		39.5	39.4	39.7	39.5	40.0							
AVERAGE WEEKLY OVERTIME HOURS													
1969	3.6	3.6	3.3	3.5	3.5	3.6	3.7	3.5	3.7	4.0	3.7	3.6	3.6
1970	3.0	3.2	3.0	3.0	2.8	2.9	3.1	2.9	3.0	3.1	2.9	2.8	2.8
1971		2.7	2.7	2.7	2.7	2.9							
DURABLE GOODS													
AVERAGE WEEKLY EARNINGS—IN DOLLARS													
1969	139.59	136.04	135.05	137.45	137.61	138.69	139.86	138.24	139.33	143.45	142.42	142.55	145.53
1970	143.47	141.69	140.24	142.51	140.75	142.66	145.30	143.87	143.52	145.16	142.76	143.16	149.04
1971		149.17	149.23	151.50	150.40	153.09							
AVERAGE HOURLY EARNINGS—IN DOLLARS													
1969	3.38	3.31	3.31	3.32	3.34	3.35	3.37	3.38	3.39	3.44	3.44	3.46	3.49
1970	3.56	3.49	3.48	3.51	3.51	3.54	3.57	3.57	3.58	3.62	3.56	3.57	3.68
1971		3.72	3.74	3.75	3.76	3.78							
AVERAGE WEEKLY HOURS													
1969	41.3	41.1	40.8	41.4	41.2	41.4	41.5	40.9	41.1	41.7	41.4	41.2	41.7
1970	40.3	40.6	40.3	40.6	40.1	40.3	40.7	40.3	40.2	40.1	40.1	40.1	40.5
1971		40.1	39.9	40.4	40.0	40.5							
AVERAGE WEEKLY OVERTIME HOURS													
1969	3.8	3.7	3.6	3.7	3.6	3.7	3.9	3.6	3.8	4.2	3.9	3.7	3.8
1970	2.9	3.3	3.0	3.1	2.8	2.9	3.2	2.9	2.9	3.0	2.8	2.6	2.7
1971		2.6	2.6	2.7	2.6	2.8							
NONDURABLE GOODS													
AVERAGE WEEKLY EARNINGS—IN DOLLARS													
1969	115.53	111.50	110.48	113.15	113.08	114.34	115.31	116.22	116.51	118.00	117.51	118.21	119.60
1970	120.43	117.99	117.69	118.38	118.56	119.95	119.95	121.44	121.04	122.15	122.07	123.17	124.58
1971		124.09	123.64	124.87	125.65	127.01							
AVERAGE HOURLY EARNINGS—IN DOLLARS													
1969	2.91	2.83	2.84	2.85	2.87	2.88	2.89	2.92	2.92	2.95	2.96	2.97	2.99
1970	3.08	3.01	3.01	3.02	3.04	3.05	3.06	3.09	3.08	3.14	3.13	3.15	3.17
1971		3.19	3.20	3.21	3.23	3.24							
AVERAGE WEEKLY HOURS													
1969	39.7	39.4	38.9	39.7	39.4	39.7	39.9	39.8	39.9	40.0	39.7	39.8	40.0
1970	39.1	39.2	39.1	39.2	39.0	39.0	39.2	39.3	39.3	38.9	39.0	39.1	39.3
1971		38.9	38.7	38.9	38.9	39.2							
AVERAGE WEEKLY OVERTIME HOURS													
1969	3.4	3.3	3.0	3.2	3.2	3.3	3.4	3.4	3.5	3.7	3.5	3.4	3.4
1970	3.0	3.1	3.0	3.0	2.8	2.9	3.0	2.9	3.1	3.1	3.0	2.9	2.8
1971		2.7	2.7	2.7	2.7	2.9							

¹See footnote 1, table B.

ESTABLISHMENT DATA
SEASONALLY ADJUSTEDD. EMPLOYEES ON NONAGRICULTURAL PAYROLLS, BY INDUSTRY, SEASONALLY ADJUSTED, 1969 TO DATE
(IN THOUSANDS)

YEAR	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.
TOTAL												
1969	69,287	69,529	69,765	69,941	70,171	70,368	70,406	70,512	70,616	70,827	70,797	70,912
1970	70,873	70,988	71,147	71,063	70,755	70,634	70,505	70,445	70,480	70,082	69,985	70,313
1971	70,454	70,391	70,480	70,599	70,769							
MINING												
1969	617	615	615	615	615	614	619	621	624	623	623	626
1970	625	625	624	622	620	620	619	620	620	621	624	623
1971	625	622	622	623	622							
CONTRACT CONSTRUCTION												
1969	3,410	3,406	3,426	3,416	3,444	3,451	3,426	3,409	3,442	3,447	3,462	3,474
1970	3,411	3,453	3,473	3,405	3,345	3,333	3,307	3,302	3,274	3,284	3,294	3,302
1971	3,271	3,198	3,264	3,282	3,275							
MANUFACTURING												
1969	20,008	20,085	20,153	20,171	20,156	20,254	20,255	20,250	20,236	20,244	20,087	20,068
1970	19,985	19,917	19,903	19,773	19,556	19,458	19,354	19,258	19,235	18,669	18,517	18,796
1971	18,747	18,634	18,609	18,639	18,702							
DURABLE GOODS												
1969	11,820	11,841	11,880	11,899	11,921	11,963	11,962	11,958	11,960	11,977	11,794	11,777
1970	11,681	11,625	11,633	11,529	11,395	11,287	11,222	11,132	11,116	10,598	10,449	10,738
1971	10,697	10,642	10,571	10,598	10,651							
ORDNANCE AND ACCESSORIES												
1969	340	336	335	332	329	324	320	312	301	294	290	283
1970	275	270	263	255	249	244	237	234	230	222	217	212
1971	208	200	195	194	196							
LUMBER AND WOOD PRODUCTS												
1969	513	614	615	609	614	611	606	605	602	595	598	599
1970	596	587	583	578	574	569	564	564	567	565	564	560
1971	563	565	566	567	570							
FURNITURE AND FIXTURES												
1969	481	485	484	487	487	487	486	486	484	483	480	478
1970	477	472	471	467	457	453	455	454	457	454	452	450
1971	449	449	450	452	457							
STONE, CLAY, AND GLASS PRODUCTS												
1969	656	656	656	655	653	657	656	656	657	658	659	657
1970	653	654	650	645	641	638	631	633	637	631	626	627
1971	626	624	622	628	633							
PRIMARY METAL INDUSTRIES												
1969	1,327	1,335	1,342	1,340	1,349	1,360	1,362	1,371	1,384	1,393	1,386	1,383
1970	1,366	1,356	1,346	1,333	1,322	1,315	1,311	1,306	1,324	1,284	1,253	1,260
1971	1,262	1,260	1,264	1,270	1,272							
FABRICATED METAL PRODUCTS												
1969	1,428	1,433	1,438	1,439	1,443	1,444	1,445	1,446	1,448	1,441	1,440	1,440
1970	1,431	1,423	1,419	1,406	1,390	1,383	1,381	1,377	1,387	1,326	1,304	1,333
1971	1,329	1,328	1,298	1,333	1,339							
MACHINERY, EXC. ELECTRICAL												
1969	1,997	2,003	2,006	2,018	2,022	2,034	2,036	2,037	2,050	2,064	2,058	2,062
1970	2,057	2,061	2,057	2,042	2,019	1,994	1,980	1,953	1,935	1,892	1,870	1,854
1971	1,829	1,810	1,796	1,784	1,783							
ELECTRICAL EQUIPMENT AND SUPPLIES												
1969	1,955	2,004	2,009	2,022	2,035	2,041	2,049	2,052	2,054	2,071	1,953	1,952
1970	1,944	2,010	2,003	1,990	1,964	1,944	1,937	1,910	1,896	1,856	1,811	1,816
1971	1,800	1,792	1,787	1,789	1,793							

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

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**D. EMPLOYEES ON NONAGRICULTURAL PAYROLLS, BY INDUSTRY, SEASONALLY ADJUSTED, 1969 TO DATE--CONTINUED
(IN THOUSANDS)**

YEAR	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.
DURABLE GOODS--CONTINUED												
TRANSPORTATION EQUIPMENT												
1969	2,073	2,055	2,078	2,078	2,069	2,094	2,081	2,073	2,065	2,060	2,016	1,998
1970	1,968	1,879	1,933	1,909	1,884	1,860	1,845	1,826	1,811	1,506	1,497	1,773
1971	1,782	1,771	1,753	1,745	1,768							
INSTRUMENTS AND RELATED PRODUCTS												
1969	471	474	476	477	479	479	478	479	477	477	476	476
1970	473	473	472	470	467	461	458	453	452	447	442	438
1971	437	432	429	426	429							
MISCELLANEOUS MANUFACTURING INDUSTRIES												
1969	439	437	441	442	441	442	443	441	438	441	438	449
1970	441	440	437	432	429	426	423	422	420	415	413	415
1971	413	411	411	410	411							
NONDURABLE GOODS												
1969	8,186	8,245	8,273	8,272	8,275	8,291	8,293	8,292	8,276	8,267	8,293	8,291
1970	8,304	8,292	8,270	8,244	8,170	8,171	8,172	8,126	8,119	8,071	8,068	8,058
1971	8,050	8,042	8,038	8,041	8,051							
FOOD AND KINDRED PRODUCTS												
1969	1,788	1,794	1,790	1,791	1,792	1,788	1,790	1,797	1,794	1,775	1,797	1,792
1970	1,901	1,811	1,805	1,790	1,790	1,784	1,777	1,772	1,767	1,759	1,766	1,763
1971	1,765	1,764	1,760	1,753	1,758							
TOBACCO MANUFACTURES												
1969	85	83	83	82	82	82	82	85	85	83	82	81
1970	83	83	83	84	84	83	82	82	79	79	80	79
1971	79	79	77	79	78							
TEXTILE MILL PRODUCTS												
1969	1,005	1,007	1,006	1,003	1,002	1,004	1,005	998	998	999	1,001	1,002
1970	1,004	996	992	990	985	972	971	970	970	963	960	961
1971	962	959	958	958	963							
APPAREL AND OTHER TEXTILE PRODUCTS												
1969	1,411	1,407	1,415	1,418	1,416	1,416	1,414	1,406	1,403	1,402	1,400	1,400
1970	1,397	1,391	1,384	1,382	1,362	1,371	1,380	1,363	1,364	1,355	1,358	1,360
1971	1,356	1,359	1,368	1,374	1,373							
PAPER AND ALLIED PRODUCTS												
1969	704	708	708	705	710	712	712	714	713	715	715	717
1970	717	717	716	717	711	703	704	701	702	696	697	695
1971	693	691	689	690	681							
PRINTING AND PUBLISHING												
1969	1,080	1,082	1,084	1,085	1,083	1,091	1,094	1,097	1,100	1,106	1,110	1,110
1970	1,113	1,113	1,113	1,112	1,109	1,105	1,106	1,104	1,105	1,103	1,101	1,099
1971	1,099	1,096	1,092	1,088	1,091							
CHEMICALS AND ALLIED PRODUCTS												
1969	1,049	1,054	1,057	1,057	1,058	1,065	1,065	1,063	1,061	1,061	1,063	1,064
1970	1,064	1,064	1,062	1,058	1,057	1,051	1,050	1,048	1,048	1,043	1,037	1,033
1971	1,030	1,026	1,021	1,021	1,024							
PETROLEUM AND COAL PRODUCTS												
1969	128	170	187	189	188	188	189	189	189	190	190	190
1970	131	192	192	191	191	191	190	190	189	189	190	191
1971	192	192	191	190	190							
RUBBER AND PLASTICS PRODUCTS, NEC												
1969	585	589	593	594	596	600	599	600	599	601	601	601
1970	602	596	596	593	595	580	586	577	578	569	567	566
1971	564	567	574	577	582							

ESTABLISHMENT DATA
SEASONALLY ADJUSTEDD. EMPLOYEES ON NONAGRICULTURAL PAYROLLS, BY INDUSTRY, SEASONALLY ADJUSTED, 1969 TO DATE--CONTINUED
(IN THOUSANDS)

YEAR	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DECEMBER
NONDURABLE GOODS--CONTINUED												
LEATHER AND LEATHER PRODUCTS												
1969	353	351	350	348	348	345	343	343	334	335	334	334
1970	332	329	327	327	326	326	325	319	317	315	312	311
1971	310	309	308	311	311							
TRANSPORTATION AND PUBLIC UTILITIES												
1969	4,358	4,364	4,384	4,413	4,424	4,442	4,452	4,448	4,457	4,460	4,465	4,474
1970	4,506	4,496	4,502	4,476	4,493	4,517	4,542	4,523	4,518	4,517	4,506	4,450
1971	4,507	4,526	4,520	4,505	4,518							
WHOLESALE AND RETAIL TRADE												
1969	14,380	14,433	14,473	14,533	14,594	14,657	14,680	14,717	14,733	14,780	14,826	14,844
1970	14,857	14,919	14,941	14,950	14,928	14,910	14,916	14,907	14,931	14,946	14,902	14,952
1971	15,039	15,059	15,074	15,107	15,148							
WHOLESALE TRADE												
1969	3,679	3,687	3,698	3,704	3,722	3,734	3,737	3,744	3,757	3,767	3,774	3,792
1970	3,807	3,814	3,822	3,827	3,830	3,822	3,829	3,816	3,826	3,833	3,827	3,832
1971	3,841	3,845	3,852	3,854	3,866							
RETAIL TRADE												
1969	10,701	10,746	10,775	10,829	10,872	10,923	10,943	10,973	10,976	11,013	11,052	11,052
1970	11,050	11,105	11,119	11,123	11,098	11,088	11,087	11,091	11,105	11,113	11,075	11,120
1971	11,198	11,214	11,222	11,253	11,282							
FINANCE, INSURANCE, AND REAL ESTATE												
1969	3,480	3,496	3,510	3,528	3,544	3,563	3,579	3,593	3,599	3,608	3,623	3,637
1970	3,652	3,659	3,672	3,680	3,689	3,689	3,690	3,683	3,698	3,706	3,721	3,731
1971	3,748	3,749	3,758	3,759	3,788							
SERVICES												
1969	11,375	11,035	11,101	11,140	11,180	11,203	11,226	11,278	11,329	11,390	11,415	11,456
1970	11,438	11,526	11,559	11,584	11,605	11,621	11,624	11,632	11,666	11,722	11,750	11,776
1971	11,600	11,809	11,841	11,843	11,858							
GOVERNMENT												
1969	12,059	12,090	12,104	12,124	12,174	12,184	12,166	12,196	12,196	12,275	12,296	12,333
1970	12,349	12,393	12,473	12,573	12,546	12,486	12,513	12,520	12,536	12,617	12,671	12,693
1971	12,719	12,744	12,792	12,831	12,859							
FEDERAL GOVERNMENT												
1969	2,754	2,753	2,751	2,750	2,745	2,745	2,734	2,733	2,739	2,729	2,719	2,716
1970	2,706	2,707	2,771	2,843	2,773	2,676	2,655	2,635	2,657	2,659	2,664	2,661
1971	2,661	2,662	2,662	2,667	2,667							
STATE AND LOCAL GOVERNMENT												
1969	9,305	9,337	9,353	9,374	9,429	9,439	9,432	9,463	9,457	9,546	9,577	9,617
1970	9,643	9,686	9,702	9,730	9,773	9,810	9,858	9,885	9,881	9,958	10,007	10,022
1971	10,056	10,082	10,130	10,164	10,191							

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

**E. PRODUCTION WORKERS ON MANUFACTURING PAYROLLS, SEASONALLY ADJUSTED, 1969 TO DATE
(IN THOUSANDS)**

YEAR	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.
MANUFACTURING												
1969	14,686	14,745	14,787	14,793	14,800	14,846	14,839	14,853	14,804	14,797	14,646	14,628
1970	14,546	14,470	14,484	14,379	14,175	14,113	14,073	13,972	13,963	13,406	13,279	13,577
1971	13,551	13,507	13,448	13,502	13,569							
DURABLE GOODS												
1969	8,610	8,629	8,653	8,665	8,675	8,713	8,711	8,725	8,697	8,704	8,533	8,520
1970	8,429	8,367	8,400	8,321	8,199	8,124	8,079	8,026	8,016	7,510	7,384	7,686
1971	7,665	7,625	7,569	7,612	7,667							
NONDURABLE GOODS												
1969	6,076	6,116	6,134	6,128	6,125	6,133	6,128	6,128	6,107	6,093	6,113	6,108
1970	6,117	6,103	6,084	6,058	5,980	5,989	5,994	5,946	5,947	5,896	5,895	5,891
1971	5,886	5,882	5,879	5,890	5,902							

**F. AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS ON MANUFACTURING PAYROLLS, SEASONALLY ADJUSTED,
1969 TO DATE**

MANUFACTURING												
1969	40.6	40.3	40.8	40.8	40.7	40.7	40.6	40.6	40.7	40.5	40.5	40.6
1970	40.2	40.2	40.1	39.9	39.8	39.9	40.1	39.8	39.3	39.4	39.6	39.5
1971	39.8	39.8	39.8	39.8	40.0							
DURABLE GOODS												
1969	41.3	41.2	41.5	41.4	41.4	41.3	41.2	41.1	41.4	41.2	41.1	41.2
1970	40.8	40.7	40.6	40.4	40.3	40.5	40.6	40.2	39.8	39.9	40.0	40.0
1971	40.3	40.3	40.4	40.3	40.5							
NONDURABLE GOODS												
1969	39.7	39.2	39.9	39.8	39.8	39.8	39.7	39.7	39.7	39.6	39.6	39.7
1970	39.5	39.5	39.4	39.3	39.2	39.1	39.2	39.1	38.6	38.9	39.0	39.0
1971	39.2	39.1	39.1	39.2	39.4							

**G. AVERAGE WEEKLY OVERTIME HOURS OF PRODUCTION WORKERS ON MANUFACTURING PAYROLLS, SEASONALLY ADJUSTED,
1969 TO DATE**

MANUFACTURING												
1969	3.7	3.5	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.5	3.5
1970	3.3	3.2	3.2	3.0	3.0	3.0	3.0	2.9	2.8	2.8	2.7	2.7
1971	2.8	2.8	2.9	2.9	3.0							
DURABLE GOODS												
1969	3.8	3.8	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.6
1970	3.4	3.2	3.2	3.0	3.0	3.1	3.0	2.9	2.7	2.6	2.5	2.6
1971	2.7	2.8	2.8	2.8	2.9							
NONDURABLE GOODS												
1969	3.5	3.2	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3
1970	3.3	3.2	3.2	3.0	3.0	3.0	2.9	3.0	2.8	2.8	2.8	2.7
1971	2.9	2.9	2.9	2.9	3.0							

Seasonal Factors

The following tables present seasonal adjustment factors for series in the establishment sections of this periodical, which have been revised, as in the past, coincidental with the adjustment of the industry employment series to new benchmarks. These factors will be revised at the time the industry employment statistics are again adjusted to later benchmarks and more current data are available. The seasonal movements are measured in order to adjust the data statistically for such recurring events as warm and cold weather, crop-growing cycles, holidays, vacations, regular industry model change-over periods, and the like. These movements are generally the largest single component of month-to-month changes in employment, hours, and labor turnover. The seasonal factors which follow enable the analyst to remove these influences from the data in order to determine more basic trends.

These factors are to be used with data adjusted to the March 1970 benchmark.

1: Seasonal adjustment factors for employees on nonagricultural payrolls, by industry division and groups

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL ¹												
MINING	97.8	97.4	97.7	99.0	100.0	102.4	102.6	102.6	101.1	100.1	99.8	99.6
CONTRACT CONSTRUCTION	89.3	89.0	90.9	96.4	99.7	104.9	107.8	109.0	106.8	105.7	102.7	97.9
MANUFACTURING ¹												
DURABLE GOODS ¹												
Ordnance and accessories	100.5	100.3	100.2	99.4	99.1	99.8	99.7	99.5	100.1	99.8	100.6	100.8
Lumber and wood products	96.8	97.4	97.9	98.1	99.5	103.4	102.9	103.3	101.8	100.8	99.5	98.6
Furniture and fixtures	100.0	99.7	99.5	99.1	98.8	100.2	98.1	100.7	100.7	101.2	101.3	100.9
Stone, clay, and glass products	96.9	97.0	97.9	99.2	99.6	102.1	102.2	102.7	101.8	101.0	100.4	99.2
Primary metal industries	99.5	100.0	100.1	100.3	100.5	101.9	101.1	100.7	99.5	98.2	98.9	99.4
Fabricated metal products	99.8	99.5	99.5	99.3	99.2	100.8	98.8	100.1	100.6	100.6	100.9	100.9
Machinery, except electrical	99.9	100.5	100.9	100.7	100.1	100.9	100.1	99.6	99.7	99.1	99.0	99.6
Electrical equipment and supplies	100.1	99.9	99.7	99.1	99.0	99.9	99.2	100.3	100.7	100.4	100.9	100.7
Transportation equipment	100.8	100.3	100.7	100.2	99.8	100.7	100.0 ^{2/}	99.2 ^{2/}	99.9 ^{2/}	101.7	101.1	101.4
Instruments and related products	99.8	99.7	99.9	99.8	99.6	100.3	99.8	100.6	100.0	99.9	100.2	100.4
Miscellaneous manufacturing industries	95.4	96.2	97.2	97.9	98.9	100.6	98.1	102.8	103.9	105.2	104.4	99.4
NONDURABLE GOODS ¹												
Food and kindred products	96.1	95.4	95.4	95.5	96.3	99.9	102.0	107.7	107.1	104.4	101.2	99.2
Tobacco manufactures	99.4	96.3	91.6	88.1	87.4	88.6	89.3	111.5	117.7	116.4	107.8	105.9
Textile mill products	99.3	99.6	99.7	99.7	99.5	101.3	99.0	100.6	100.5	100.3	100.4	100.2
Apparel and other textile products	98.7	100.1	100.5	99.2	99.8	101.1	96.7	101.1	101.0	101.0	100.8	99.9
Paper and allied products	99.5	99.3	99.3	99.1	99.1	101.2	100.3	101.1	100.4	99.8	100.4	100.5
Printing and publishing	99.6	99.8	100.0	99.9	99.5	100.1	99.9	100.1	99.9	100.2	100.4	100.7
Chemicals and allied products	99.2	99.4	99.8	100.1	99.7	100.7	101.0	101.1	100.1	99.7	99.6	99.6
Petroleum and coal products	97.6	97.1	98.0	98.9	99.9	102.3	103.1	102.9	101.2	100.5	99.8	98.5
Rubber and plastics products, nec.	99.6	99.8	99.5	99.3	99.3	100.3	98.8	100.5	100.8	100.6	100.8	100.7
Leather and leather products	99.9	100.1	99.6	98.7	99.2	101.3	98.9	101.4	99.8	99.8	100.8	100.7
TRANSPORTATION AND PUBLIC UTILITIES	98.4	98.4	98.8	99.2	99.6	101.1	101.3	101.3	101.1	100.3	100.3	100.1
WHOLESALE AND RETAIL TRADE ¹												
WHOLESALE TRADE	99.2	98.8	98.8	98.8	98.9	100.6	101.1	101.1	100.4	100.6	100.8	100.8
RETAIL TRADE	98.7	97.4	98.3 ^{3/}	98.8 ^{3/}	99.7	100.3	99.4	99.0	99.6	100.3	102.0	106.5
FINANCE, INSURANCE, AND REAL ESTATE	99.0	99.1	99.4	99.7	99.8	100.8	101.6	101.6	100.2	99.8	99.6	99.5
SERVICES	98.4	98.8	99.3	100.2	100.8	101.3	101.0	100.4	100.2	100.2	99.9	99.5
Hotels and other lodging places	92.3	93.6	94.8	97.3	99.5	104.6	116.3	116.1	102.0	96.8	93.7	93.2
Personal services	98.9	98.6	99.2	99.9	100.5	101.6	100.7	99.7	99.5	100.3	100.6	100.4
Medical and other health services	99.7	99.8	99.8	99.7	99.5	100.7	100.9	100.4	99.9	99.9	100.0	99.7
Educational services	102.9	105.1	105.1	104.4	104.0	96.0	87.4	85.5	95.6	103.9	105.3	104.8
GOVERNMENT ¹												
FEDERAL ⁴	99.2	99.4	99.5	99.8	99.7	101.3	101.7	101.5	99.7	99.4	99.4	99.4
STATE AND LOCAL	101.0	101.8	101.9	101.5	101.4	100.6	94.9	93.9	98.4	101.2	101.8	101.7

¹ Seasonally adjusted data derived by summation of components.

² Factors shown for July, August & September are based on data excluding motor vehicles (SIC 371).

³ Factors shown are for 1972. The factors used for March and April 1971 were 97.9 and 99.2 respectively.

⁴ Based on data which exclude temporary Christmas employees of the Post Office during December.

2: Seasonal adjustment factors for labor turnover rates in manufacturing

Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions	93.1	82.8	89.0	91.6	102.0	134.1	108.1	125.5	122.2	106.6	80.6	64.0
New hires	87.6	80.0	86.7	90.9	102.0	142.9	105.9	121.6	130.7	111.2	80.4	59.9
Total separations	95.9	84.9	90.1	92.7	93.6	92.1	108.4	121.7	135.0	109.2	89.4	86.7
Quits	84.8	77.7	87.2	93.4	96.9	96.0	98.3	145.0	166.9	109.7	81.0	63.1
Layoffs	112.0	91.2	91.7	86.6	81.4	79.5	139.9	92.7	90.8	104.2	104.6	124.9

3: Seasonal adjustment factors for average weekly overtime hours of production workers on manufacturing payrolls

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
MANUFACTURING	96.5	94.8	94.5	92.9	97.4	102.2	97.3	102.6	110.3	104.7	102.6	104.5
DURABLE GOODS	96.9	93.6	95.8	91.9	96.3	103.8	95.9	101.2	110.7	106.1	102.1	105.6
NONDURABLE GOODS	94.5	94.5	94.4	93.5	96.7	100.8	100.1	104.2	110.8	105.8	102.6	102.5

4: Seasonal adjustment factors for average weekly hours of production
or nonsupervisory workers¹ on private nonagricultural payrolls

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL PRIVATE	99.1	98.9	99.4	99.1	99.6	100.6	101.0	101.3	100.7	100.1	99.7	100.4
MINING	98.8	98.3	98.3	100.2	100.1	100.8	100.9	100.8	100.4	100.7	100.1	100.5
CONTRACT CONSTRUCTION	95.8	96.5	98.1	99.6	100.6	102.1	102.7	103.3	103.4	101.5	97.3	99.2
MANUFACTURING	99.4	99.1	99.7	99.3	99.9	100.5	99.5	100.1	100.8	100.4	100.3	100.9
DURABLE GOODS	99.4	99.0	99.9	99.3	100.0	100.6	99.2	99.9	100.7	100.5	100.3	101.2
Ordnance and accessories	101.1	99.6	99.7	99.6	100.0	100.4	98.5	99.5	100.4	100.0	100.3	101.0
Lumber and wood products	97.7	98.8	99.9	99.9	100.9	101.3	99.7	100.7	100.8	100.7	99.5	100.1
Furniture and fixtures	98.4	97.8	99.2	98.5	98.9	100.4	98.9	101.2	101.6	101.7	100.9	102.4
Stone, clay, and glass products	97.8	98.2	99.0	99.9	100.5	100.8	100.4	101.1	101.2	100.8	100.1	100.1
Primary metal industries	100.2	99.8	100.1	100.3	100.2	100.7	100.2	100.1	100.0	98.9	99.4	100.1
Fabricated metal products	99.2	98.6	99.4	99.3	100.1	100.8	99.1	100.3	101.4	100.6	100.4	101.0
Machinery, except electrical	100.0	99.9	100.8	100.0	99.9	100.1	98.9	98.8	100.3	99.9	100.1	101.4
Electrical equipment and supplies	99.8	98.7	99.9	99.0	99.7	100.4	98.8	100.0	100.9	100.5	100.8	101.5
Transportation equipment	99.7	98.3	99.0	98.0	100.3	100.3	99.7	98.6	101.5	101.3	101.4	101.9
Instruments and related products	99.5	99.1	100.1	99.6	99.6	100.2	99.2	99.6	100.7	100.4	100.8	101.0
Miscellaneous manufacturing industries	99.2	99.0	100.1	99.8	99.7	100.3	98.5	100.1	100.4	100.9	101.0	100.8
NONDURABLE GOODS	99.3	99.1	99.6	99.2	99.6	100.2	100.2	100.6	100.9	100.2	100.3	100.8
Food and kindred products	99.3	98.4	98.6	98.3	99.5	100.3	101.0	101.4	102.1	100.3	100.4	100.6
Tobacco manufactures	98.0	98.5	96.8	97.9	98.9	101.6	99.2	100.7	103.4	103.6	100.3	101.0
Textile mill products	98.9	99.5	99.7	99.0	99.5	100.6	99.4	100.2	100.6	100.5	100.8	101.1
Apparel and other textile products	98.9	99.1	100.6	99.8	100.0	100.4	99.9	100.8	100.2	99.8	100.2	100.1
Paper and allied products	99.5	99.0	99.4	99.1	99.7	100.1	100.0	100.3	100.8	100.7	100.3	101.1
Printing and publishing	98.9	99.2	100.0	99.5	99.7	100.0	100.0	100.6	100.7	100.2	100.1	101.3
Chemicals and allied products	99.6	99.5	100.0	100.4	100.1	100.0	99.8	99.6	100.1	99.9	100.4	100.5
Petroleum and coal products	98.9	98.6	99.7	101.4	101.8	100.6	101.0	98.2	99.7	100.4	100.7	99.0
Rubber and plastics products, nec.	99.6	99.3	99.1	99.1	99.7	100.1	99.5	100.4	101.3	100.7	100.4	100.8
Leather and leather products	100.4	99.9	99.1	97.1	99.9	101.5	101.3	100.1	99.0	99.4	100.3	102.0
TRANSPORTATION AND PUBLIC UTILITIES	99.4	99.5	99.0	98.9	99.5	100.3	101.0	100.6	100.6	100.5	100.4	100.2
WHOLESALE AND RETAIL TRADE	99.0	98.7	99.1	98.9	99.1	100.7	102.4	102.7	100.2	99.5	99.2	100.5
WHOLESALE TRADE	99.7	99.3	99.7	99.5	99.6	100.2	100.8	100.5	100.0	100.0	99.8	100.8
RETAIL TRADE	98.6	98.5	98.9	98.7	98.8	100.9	103.0	103.3	100.3	99.2	99.0	100.7
FINANCE, INSURANCE, AND REAL ESTATE	100.0	100.1	100.1	99.9	99.8	99.9	100.1	100.1	99.8	100.2	100.2	100.0
SERVICES	99.5	99.4	99.9	99.6	99.4	100.2	101.3	101.3	99.8	99.7	99.8	100.0

¹Data relate to production workers in mining and manufacturing; to construction workers in contract construction; and to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

5: Seasonal adjustment factors for production or nonsupervisory workers¹ on private nonagricultural payrolls

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL ²												
MINING	97.3	96.8	97.2	99.0	100.0	102.9	103.0	102.9	101.3	100.1	99.8	99.6
CONTRACT CONSTRUCTION	87.3	87.3	89.5	95.9	99.7	105.6	108.9	110.4	108.0	106.7	103.2	97.6
MANUFACTURING ²												
DURABLE GOODS ²												
Ordnance and accessories	100.6	100.6	100.2	98.8	98.7	99.5	99.1	99.3	100.5	100.1	101.2	101.1
Lumber and wood products	96.4	97.1	97.7	97.9	99.5	103.8	103.1	103.6	102.1	100.9	99.5	98.5
Furniture and fixtures	100.0	99.6	99.4	98.9	98.8	100.1	97.7	100.8	100.8	101.5	101.4	101.1
Stone, clay, and glass products	96.3	96.4	97.6	99.0	99.6	102.5	102.4	103.1	102.3	101.2	100.6	99.2
Primary metal industries	99.5	100.1	100.2	100.5	100.6	102.3	101.1	100.4	99.2	97.7	98.8	99.5
Fabricated metal products	99.8	99.5	99.4	99.1	99.1	101.0	98.3	99.7	100.8	100.9	101.2	101.3
Machinery, except electrical	100.0	101.0	101.3	101.0	100.3	101.0	99.6	98.9	99.6	98.9	98.7	99.6
Electrical equipment and supplies	100.2	99.8	99.6	98.9	98.6	99.7	98.6	100.3	101.2	100.6	101.3	101.1
Transportation equipment	101.1	100.7	101.0	100.2	99.9	101.0	99.9 ³	98.8 ³	99.9 ³	102.5	101.6	102.0
Instruments and related products	99.9	99.8	100.3	99.7	99.6	100.2	99.2	100.3	100.0	99.9	100.3	100.7
Miscellaneous manufacturing industries	94.3	95.3	96.6	97.4	98.6	100.6	97.6	103.3	104.8	106.4	105.9	99.3
NONDURABLE GOODS ²												
Food and kindred products	94.7	93.6	93.6	93.5	94.7	99.3	102.1	110.5	110.2	106.6	102.1	99.0
Tobacco manufactures	99.3	95.6	90.3	86.2	85.6	86.9	87.4	113.4	120.5	118.9	108.9	106.9
Textile mill products	99.2	99.5	99.7	99.6	99.5	101.4	98.8	100.6	100.5	100.3	100.5	100.3
Apparel and other textile products	98.7	100.2	100.6	99.2	99.7	101.2	96.3	101.2	101.1	101.1	100.8	99.9
Paper and allied products	99.3	99.0	99.1	99.1	99.1	101.5	100.2	101.2	100.5	99.8	100.5	100.7
Printing and publishing	99.5	99.7	100.1	100.0	99.5	99.9	99.5	99.8	100.0	100.3	100.6	101.0
Chemicals and allied products	99.0	99.6	100.3	100.6	99.9	100.7	100.4	100.9	99.8	99.6	99.5	99.6
Petroleum and coal products	96.8	95.6	97.5	98.6	100.0	103.2	104.0	103.7	102.0	101.0	99.8	97.8
Rubber and plastics products, nec.	99.6	99.9	99.3	99.2	99.1	100.3	98.5	100.6	100.9	100.7	101.0	100.8
Leather and leather products	99.9	100.1	99.5	98.5	99.1	101.4	98.6	101.6	99.6	99.7	100.9	100.9
TRANSPORTATION AND PUBLIC UTILITIES	98.2	98.3	98.7	99.0	99.5	101.2	101.6	101.4	101.2	100.3	100.4	100.2
WHOLESALE AND RETAIL TRADE ²												
WHOLESALE TRADE	99.1	98.7	98.6	98.6	98.7	100.7	101.3	101.2	100.5	100.7	100.9	100.9
RETAIL TRADE ⁴	98.7	97.2	98.2 ⁴	98.6 ⁴	99.6	100.3	99.3	99.0	99.5	100.3	102.1	107.2
FINANCE, INSURANCE, AND REAL ESTATE	98.8	98.8	99.2	99.6	99.7	100.9	102.0	102.1	100.2	99.8	99.6	99.5
SERVICES	98.3	98.7	99.4	100.3	100.9	101.4	101.0	100.4	100.1	100.2	99.9	99.5

¹See footnote 1, table 4.

²Seasonally adjusted data derived by summation of components.

³Factors shown for July, August, & September are based on data excluding motor vehicles (SIC 371).

⁴Factors shown are for 1972. The factors used for March and April 1971 were 97.7 and 99.1 respectively.

**6: Seasonal adjustment factors for average hourly earnings of production
or nonsupervisory workers¹ on private nonagricultural payrolls**

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL PRIVATE	100.0	100.0	99.7	99.7	100.1	100.0	100.0	99.8	100.8	100.2	100.0	99.7
MINING	100.4	100.4	100.1	100.1	99.8	99.7	99.4	99.2	100.0	100.2	100.6	100.1
CONTRACT CONSTRUCTION	100.8	100.3	99.6	99.1	99.7	98.8	99.3	99.4	100.9	101.0	100.6	100.5
MANUFACTURING	100.5	100.1	100.0	100.0	100.0	100.0	99.7	99.2	100.1	99.9	100.0	100.4
TRANSPORTATION AND PUBLIC UTILITIES	99.6	99.8	99.1	99.6	99.9	100.1	100.3	100.3	100.9	100.3	100.1	99.8
WHOLESALE AND RETAIL TRADE	100.4	100.8	100.3	100.2	100.2	100.0	99.6	99.3	100.1	100.0	100.1	98.9
FINANCE, INSURANCE, AND REAL ESTATE	100.4	100.7	100.3	99.9	100.1	100.1	99.8	99.4	99.6	99.8	100.0	99.8
SERVICES	100.1	100.3	99.9	99.8	99.7	99.6	100.1	99.6	100.5	100.2	100.2	100.0

¹See footnote 1, table 4.

**7: Seasonal adjustment factors for gross and spendable average weekly earnings of production
or nonsupervisory workers¹ on private nonagricultural payrolls, in current and 1967 dollars**

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL PRIVATE:												
Current dollars	99.1	99.0	99.2	98.8	99.7	100.6	101.0	100.9	101.4	100.4	99.7	100.2
1967 dollars	99.2	99.1	99.2	98.8	99.9	100.5	100.8	100.8	101.4	100.4	99.8	100.1
Real spendable earnings (worker and 3 dependents, 1967 dollars)	99.5	99.5	99.4	98.9	99.8	100.4	100.7	100.7	101.1	100.3	99.7	100.0

¹See footnote 1, table 4.

**8: Seasonal adjustment factors for indexes of average hourly earnings adjusted for overtime
(in manufacturing only) and interindustry employment shifts of production
or nonsupervisory workers¹ on private nonagricultural payrolls**

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL PRIVATE	100.1	100.2	99.9	99.9	100.0	99.9	99.9	99.7	100.3	100.1	100.1	99.9
MINING	100.1	100.0	99.8	100.0	99.9	99.7	99.8	99.3	100.0	100.4	100.9	100.1
CONTRACT CONSTRUCTION	99.7	99.5	99.0	99.1	99.8	99.3	99.8	100.0	101.4	101.4	100.8	100.1
MANUFACTURING	100.3	100.3	100.2	100.2	100.0	99.8	99.7	99.6	100.0	99.8	100.0	100.1
TRANSPORTATION AND PUBLIC UTILITIES	99.9	100.1	99.4	99.6	99.7	100.0	100.0	99.9	100.7	100.3	100.3	100.0
WHOLESALE AND RETAIL TRADE	99.9	100.3	100.1	100.1	100.3	100.2	99.9	99.5	100.2	100.0	100.0	99.4
FINANCE, INSURANCE, AND REAL ESTATE	100.4	100.9	100.4	99.9	100.1	99.7	99.9	99.5	99.6	99.8	99.9	99.8
SERVICES	99.7	100.0	99.7	99.6	99.7	100.0	100.7	100.2	100.5	100.0	100.0	99.9

¹See footnote 1, table 4.

Technical Note

The statistics in this periodical are compiled from three major sources: (1) Household interviews, (2) reports from employers, and (3) administrative statistics of unemployment insurance systems.

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed and the unemployed, including such characteristics as age, sex, color, marital status, occupations, hours of work, and duration of unemployment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 50,000 households, representing 449 areas in 863 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

Data based on establishment records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment surveys are designed to provide detailed industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, job vacancies, and labor turnover for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing about 30 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th of the month. Based on a somewhat smaller sample, labor turnover data relate to actions occurring during the month while job vacancies pertain to those outstanding at the end of the month.

Data based on administrative records of unemployment insurance systems furnish a complete count of insured unemployment among the two-thirds of the Nation's labor force covered by unemployment insurance programs. Weekly reports, by State, are issued on the number of initial claims, the volume, and rate of insured unemployment under State unemployment insurance programs, and the volume under programs of unemployment compensation for Federal employees, ex-servicemen, and railroad workers. These statistics are published by the Manpower Administration, U.S. Department of Labor, in "Unemployment Insurance Claims."

Relation between the household and establishment series

The household and establishment data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey whereas detailed industrial classifications can be reliably derived only from establishment reports.

Data from these two sources differ from each other because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows:

Employment

Coverage. The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonagricultural establishments.

Multiple jobholding. The household approach provides information on the work status of the population without duplication since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once and are classified according to the job at which they worked the greatest number of hours during the survey week. In the figures based on establishment records, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

Unpaid absences from jobs. The household survey includes among the employed all persons who had jobs but were not at work during the survey week—that is, were not working but had jobs from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or because they were taking time off for various other reasons, even if they were not paid by their employers for the time off. In the figures based on payroll reports, persons on leave paid for by the company are included, but not those on leave without pay for the entire payroll period.

For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green's article "Comparing employment estimates from household and payroll surveys," *Monthly Labor Review*, December 1969. Reprints of this article are available upon request from the Bureau of Labor Statistics.

Hours of work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by employers. In the household survey data, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours. In the payroll survey, employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

Comparability of the household interview data with other series

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, regardless of whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Manpower Administration of the Department of Labor, exclude persons who have exhausted their benefit

rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (agriculture, State and local government, domestic service, self-employment, unpaid family work, nonprofit organizations, and firms below a minimum size).

In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used in the household survey. For example, persons with a job but not at work and persons working only a few hours during the week are sometimes eligible for unemployment compensation but are classified as employed rather than unemployed in the household survey.

For an examination of the similarities and differences between State insured unemployment and total unemployment, see "Measuring Total and State Insured Unemployment" by Gloria P. Green in the June 1971 issue of the *Monthly Labor Review*. Reprints of this article may be obtained upon request.

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the Statistical Research Service (SRS) series and the treatment of dual jobholders who are counted more than once if they worked on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

Comparability of the payroll employment data with other series

Statistics on manufactures and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of the Census from

its censuses or annual sample surveys of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in BLS statistics.

County Business Patterns. Data in County Business Patterns, published jointly by the U.S. Departments of Commerce and Health, Education, and Welfare, differ from BLS establishment statistics in the treatment of central administrative offices and auxiliary units. Differences may also arise because of industrial classification and reporting practices. In addition, CBP excludes interstate railroads and government, and coverage is incomplete for some of the nonprofit activities.

Employment covered by State unemployment insurance programs. Not all nonagricultural wage and salary workers are covered by the unemployment insurance programs. All workers in certain activities, such as interstate railroads, are excluded. In addition, small firms in covered industries are also excluded in about half the States. In general, these are establishments with less than four employees.

Additional information concerning the preparation of the labor force, employment, hours, earnings, job vacancy, and labor turnover series—concepts and scope, survey methods, and limitations—is contained in technical notes for each of these series, available from the Bureau of Labor Statistics free of charge.

Labor Force Data

Collection and coverage

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in "Concepts and Methods Used in Manpower Statistics from the Current Population Survey" (BLS Report 313). This report is available from BLS on request.

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population 16 years and over. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions and persons under 16 years of age are not covered in the regular monthly enumerations and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are included as part of the categories "total noninstitutional population" and "total labor force," are obtained from the Department of Defense.

Each month, 50,000 occupied units are designated for interview. About 2,250 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4.5 percent. In addition to the 50,000 occupied units, there are 8,500 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from one month to the next, and one-half to be common with the same month a year ago.

Concepts

Employed persons comprise (a) all those who during the survey week did any work at all as paid employees, in their own business, profession, or farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family, and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or personal reasons, whether or not they were paid by their employers for the time off, and whether or not they were seeking other jobs.

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.

Included in the total are employed citizens of foreign countries, temporarily in the United States, who are not living on the premises of an Embassy.

Excluded are persons whose only activity consisted of work around the house (such as own home housework, and painting or repairing own home) or volunteer work for religious, charitable, and similar organizations.

Unemployed persons comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and (a) were waiting to be called back to a job from which they had been laid off; or (b) were waiting to report to a new wage or salary job within 30 days.

Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Average duration is an arithmetic mean computed from a distribution by single weeks of unemployment.

Unemployed persons by reasons for unemployment are divided into four major groups. (1) Job losers are persons whose employment ended involuntarily who immediately began looking for work and persons on layoff. (2) Job leavers are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) Reentrants are persons who previously worked at a full-time job lasting 2 weeks or longer but who were out of the labor force prior to beginning to look for work. (4) New entrants are persons who never worked at a full-time job lasting 2 weeks or longer.

The civilian labor force comprises the total of all civilians classified as employed or unemployed in accordance with the criteria described above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

The unemployment rate represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, marital status, color, etc. The job-loser, job-leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force; the sum of the rates for the four groups thus equals the total unemployment rate.

Participation rates represent the proportion of the noninstitutional population that is in the labor force. Two types of participation rates are published: The total labor force participation

rate, which is the ratio of the total labor force and the total non-institutional population, and the civilian labor force participation rate, which is the ratio of civilian labor force and civilian noninstitutional population. Participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as color and educational attainment.

Not in labor force includes all civilians 16 years and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are compiled on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969, the detailed not-in-labor force questions were asked of persons in the first and fifth months in the sample, i.e., the "incoming" groups.

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their latest full-time civilian job lasting 2 weeks or more. The occupation and industry groups used in data derived from the CPS household interviews are defined as in the 1960 Census of Population. Information on the detailed categories included in these groups is available upon request.

The class-of-worker breakdown specifies "wage and salary workers," subdivided into private and government workers, "self-employed workers," and "unpaid family workers." Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a governmental unit. Self-employed persons are those who work for profit or fees in their own business, profession, or trade, or operate a farm. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by blood or marriage.

Hours of work statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who was off on the Veterans Day holiday would be reported as working 32 hours even though he was paid for the holiday.

For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

The distribution of employment by hours worked relate to persons "at work" during the survey week. At-work data differ from data on total employment because the latter include persons in zero-hours worked category, "with a job but not at work." Included in this latter group are persons who were on vacation, ill, involved in a labor dispute, or otherwise absent from their jobs for voluntary, noneconomic reasons.

Persons who worked 35 hours or more in the survey week are designated as working "full time;" persons who worked between

1 and 34 hours are designated as working "part time." Part-time workers are classified by their usual status at their present job (either full time or part time) and by their reason for working part time during the survey week (economic or other reasons). "Economic reasons" include: Slack work, material shortages, repairs to plant or equipment, start or termination of job during the week, and inability to find full-time work. "Other reasons" include: Labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work, and full-time worker only during peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1-34 hours for noneconomic reasons and usually work full time.

Full- and part-time labor force. The *full-time labor force* consists of persons working on full-time schedules, persons involuntarily working part time (because full-time work is not available), and unemployed persons seeking full-time jobs. The *part-time labor force* consists of persons working part time voluntarily and unemployed persons seeking part-time work. Persons with a job but not at work during the survey week are classified according to whether they usually work full or part time.

Labor force time lost is a measure of man-hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available man-hours. It is computed by assuming: (1) That unemployed persons looking for full-time work lost an average of 37.5 hours, (2) that those looking for part-time work lost the average number of hours actually worked by voluntary part-time workers during the survey week, and (3) that persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

White and Negro and other races are terms used to describe the color or race of workers. The Negro and other races category, which had formerly been identified as "Nonwhite," includes all persons who are observed in the enumeration process to be other than white. At the time of the 1960 Census of Population, approximately 92 percent of the Negro and other races population group were Negro; the remainder were American Indians, Eskimos, Orientals, and other nonwhites. Tables in this volume which contain these data utilize the word "color" to so indicate.

Major activity: going to school and major activity: other are terms used to describe whether the activity of young persons during the reference week was primarily one of going to school or not. Statistics on major activities are published every month in table A-5 for 16-21 year-olds by employment status, color, sex, and, if unemployed, whether seeking full- or part-time work.

ESTIMATING METHODS

Under the estimation methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. There are no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

1. **Noninterview adjustment.** The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability or other reasons. This adjustment is made separately by groups of sample areas and, within these, for six groups—color (white and Negro and other races) within the three residence categories (urban, rural nonfarm, and rural farm). The

proportion of sample households not interviewed varies from 4 to 6 percent depending on weather, vacations, etc.

2. **Ratio estimates.** The distribution of the population selected for the sample may differ somewhat, by chance, from that of the Nation as a whole, in such characteristics as age, color, sex, and residence. Since these population characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. **First-stage ratio estimate.** This is a procedure in which the sample proportions are weighted by the known 1960 Census data on the color-residence distribution of the population. This step takes into account the differences existing at the time of the 1960 Census between the color-residence distribution for the Nation and for the sample areas.

b. **Second-stage ratio estimate.** In this step, the sample proportions are weighted by independent current estimates of the population by age, sex, and color. These estimates are prepared by carrying forward the most recent census data (1960) to take account of subsequent aging of the population, mortality, and migration between the United States and other countries.

3. **Composite estimate procedure.** In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent) as well as the sample results for the current month. This procedure reduces the sampling variability of month-to-month changes especially and of the levels for most items also.

Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Differences, however, are insignificant.

Reliability of the estimates

Since the estimates are based on a sample, they may differ from the figures that would have been obtained if it were possible to take a complete census using the same schedules and procedures.

The standard error is a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 19 out of 20 that the difference would be less than twice the standard error.

Table A shows the average standard error for the major employment status categories, by sex, computed from data for past months. Estimates of change derived from the survey are also subject to sampling variability. The standard error of change for consecutive months is also shown in table A. The standard errors of level shown in table A are acceptable approximations of the standard errors of year-to-year change.

The figures presented in table B are to be used for other characteristics and are approximations of the standard errors of all such characteristics. They should be interpreted as providing an indication of the order of magnitude of the standard errors rather than as the precise standard error for any specific item.

Table A. Average standard error of major employment status categories

(In thousands)

Employment status and sex	Average standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
BOTH SEXES		
Labor force and total employment	190	145
Agriculture	120	100
Nonagricultural employment	200	150
Unemployment	75	80
MALE		
Labor force and total employment	100	75
Agriculture	95	80
Nonagricultural employment	120	95
Unemployment	60	60
FEMALE		
Labor force and total employment	150	115
Agriculture	50	40
Nonagricultural employment	150	115
Unemployment	50	55

Table B. Standard error of level of monthly estimates

(In thousands)

Size of estimate	Both sexes		Male		Female	
	Total or white	Negro and other races	Total or white	Negro and other races	Total or white	Negro and other races
10	4	4	6	4	6	4
50	9	9	11	9	11	9
100	12	12	16	12	16	12
250	20	17	25	17	25	17
500	30	25	34	25	34	25
1,000	40	35	50	35	50	35
2,500	60	40	75	40	75	40
5,000	85	45	90	-	90	-
10,000	115	-	115	-	115	-
20,000	150	-	125	-	125	-
30,000	170	-	-	-	-	-
40,000	180	-	-	-	-	-

The standard error of the change in an item from one month to the next month is more closely related to the standard error of the monthly level for that item than to the size of the specific month-to-month change itself. Thus, in order to use the approximations to the standard errors of month-to-month changes

as presented in table C, it is first necessary to obtain the standard error of the monthly level of the item in table B, and then find the standard error of the month-to-month change in table C corresponding to this standard error of level. It should be noted that table C applies to estimates of change between 2 consecutive months. For changes between the current month and the same month last year, the standard errors of level shown in table B are acceptable approximations.

Illustration: Assume that the tables showed the total number of persons working a specific number of hours as 15,000,000, an increase of 500,000 over the previous month. Linear interpolation in the first column of table B shows that the standard error of 15,000,000 is about 133,000. Consequently, the chances are about 68 out of 100 that the sample estimate differs by less than 133,000 from the figure which would have been obtained from a complete count of the number of persons working the given number of hours. Using the 133,000 as the standard error of the monthly level in table C, it may be seen that the standard error of the 500,000 increase is about 126,000.

Table C. Standard error of estimates of month-to-month change

(In thousands)

Standard error of monthly level	Standard error of month-to-month change
10	12
25	28
50	55
100	100
150	140
200	155
250	160
300	190

The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Where the numerator is a subclass of the denominator, estimated percentages are relatively more reliable than the corresponding absolute estimates of the numerator of the percentage, particularly if the percentage is large (50 percent or greater). Table D shows the standard errors for percentages derived from the survey. Linear interpolation may be used for percentages and base figures not shown in table D.

Table D. Standard error of percentage

Base of percentages (thousands)	Estimated percentage									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	35 or 65	50	
150	1.1	1.5	2.4	3.3	4.0	4.5	4.9	5.5	6.1	
250 . . . . .	.9	1.3	2.0	2.8	3.3	3.7	4.1	4.6	5.1
500 . . . . .	.6	.8	1.3	1.7	2.1	2.4	2.6	2.9	3.2
1,000 . . . . .	.4	.6	.9	1.2	1.5	1.7	1.8	2.1	2.3
2,000 . . . . .	.3	.4	.6	.9	1.0	1.2	1.3	1.5	1.6
3,000 . . . . .	.2	.3	.5	.7	.9	1.0	1.1	1.2	1.3
5,000 . . . . .	.2	.3	.4	.6	.7	.7	.8	.9	1.0
10,000 . . . . .	.1	.2	.3	.4	.5	.5	.6	.7	.7
25,000 . . . . .	.1	.1	.2	.3	.3	.3	.4	.4	.4
50,000 . . . . .	.1	.1	.1	.2	.2	.2	.3	.3	.3
75,000 . . . . .	.1	.1	.1	.1	.2	.2	.2	.2	.3

Establishment Data

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, job vacancies, and labor turnover in nonagricultural establishments, by industry and geographic location.

Federal-State cooperation

Under cooperative arrangements with State agencies, the respondent fills out a single employment or job vacancy-labor turnover reporting form, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents and, together with the use of identical techniques at the national and State levels, insures maximum comparability of estimates.

State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare State and area series and then send the establishment data to the BLS for use in preparing the national series.

Shuttle schedules

Two types of data collection schedules are used: Form BLS 790—Monthly Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Job Openings and Labor Turnover. These schedules are of the "shuttle" type, with space for each month of the calendar year. The collecting agency returns the schedule to the respondent each month so that the next month's data can be entered. This procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures he has reported for previous months.

Form BLS 790 provides for entry of data on the number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, payroll and man-hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month, and three job vacancy items as of the end of the month: Current job vacancies, (i.e., vacancies available for immediate filling), current vacancies which have remained unfilled for 30 days or more, and openings with future starting dates.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year on a supplement to the monthly 790 or 1219 report. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the most important product or activity.

All national, State, and area employment, hours, earnings, job vacancy, and labor turnover series are classified in accordance with the *Standard Industrial Classification Manual*, Bureau of the Budget, 1967.

Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who are laid off, on leave without pay, or on strike for the entire period or who are hired but have not reported to work during the period.

Industry hours and earnings

Hours and earnings data are derived from reports of payrolls and man-hours for production and related workers in manufacturing and mining, construction workers in contract construction, and nonsupervisory employees in the remaining private nonagricultural components. For Federal Government, hours and earnings relate to all employees, both supervisory and nonsupervisory. Terms are defined below. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

Production and related workers include working foreman and all nonsupervisory workers (including leadmen and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

Construction workers include the following employees in the contract construction division: Working foremen, journeymen, mechanic's apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

Nonsupervisory employees include employees (not above the working supervisory level) such as office and clerical workers, repairmen, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aids, teachers, draftsmen, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, linemen, laborers,

janitors, watchmen, and similar occupational levels, and other employees whose services are closely associated with those of the employees listed.

Payroll covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), other pay not earned in pay period reported (e.g., retroactive pay), tips, and the value of free rent, fuel, meals, or other payment in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc. paid by the employer) are also excluded.

Man-hours cover man-hours paid for, during the pay period which includes the 12th of the month, for production, construction, or nonsupervisory workers. The man-hours include hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.

Overtime hours cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

Gross average hourly and weekly earnings

Average hourly earnings are on a "gross" basis, reflecting not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. Shifts in the volume of employment between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments also affect the general earnings averages. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amounts stipulated for a given unit of work or time. The earnings series does not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under the production-worker, construction-worker, or nonsupervisory-employee definitions.

Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as proportion of part-time workers, stoppages for varying causes, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of gross average weekly earnings can be affected by structural changes in the makeup of the work force.

For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the service industries has reduced average workweeks in these industries and has affected the average weekly earnings series.

Average weekly hours

The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

Average overtime hours

The overtime hours represent the portion of the gross average weekly hours which were in excess of regular hours and for which overtime premiums were paid. If an employee worked on a paid holiday at regular rates, receiving as total compensation his holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month-to-month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry-group level also may be caused by a marked change in gross hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

Hours and earnings for total private nonagricultural industries

This series covers all nonagricultural industry divisions except government. The principal source of payroll data is Form BLS 790. Secondary source material such as *Employment and Wages* (Manpower Administration), *County Business Patterns* (Bureau of the Census), and additional supporting information such as *The Hospital Guide*, Part II, of the American Hospital Association and special studies by the National Council of Churches supplement data for certain industry groups within the service division.

For a technical description of this series, see the article, "Hours and Earnings for Workers in Private Nonagricultural Industries," published in the May 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*.

Railroad hours and earnings

The figures for class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group 1) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by

dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

Spendable average weekly earnings

Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from average weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker and his marital status, as well as on the level of his gross income. To reflect these variables, spendable earnings are computed for a worker with no dependents and a married worker with three dependents. The computations are based on gross average weekly earnings for all production or nonsupervisory workers in the industry division excluding other income and income earned by other family members.

The series reflects the spendable earnings of only those workers, with either none or three dependents, whose gross weekly pay approximates the average earnings indicated for all production and nonsupervisory workers. It does not reflect, for example, the average earnings of all workers with three dependents; such workers, in fact have higher gross average earnings than workers with no dependents.

Since part-time as well as full-time workers are included, and since the proportion of part-time workers has been rising, the series understates the increase in earnings for full-time workers. As noted, "fringe benefits" are not included in the earnings. For a more complete discussion of the uses and limitations of these series, see the article by Paul M. Schwab, "Two Measures of Purchasing Power Contrasted," in the *Monthly Labor Review* for April 1971. Reprints of this article are available from the Bureau of Labor Statistics.

"Real" earnings are computed by dividing the current Consumer Price Index into the earnings averages for the current month. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in purchasing power since the base period (1967).

Average hourly earnings excluding overtime

Average hourly earnings excluding overtime premium pay are computed by dividing the total production-worker payroll for the industry group by the sum of total production-worker man-hours and one-half of total overtime man-hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-540). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work and overtime rates other than time and one-half.

Indexes of aggregate weekly payrolls and man-hours

The indexes of aggregate weekly payrolls and man-hours are prepared by dividing the current month's aggregate by the monthly average for the 1967 period. The man-hour aggregates are the product of average weekly hours and production-

worker or nonsupervisory worker employment, and the payroll aggregates are the product of man-hour aggregates and average hourly earnings. At all higher levels of aggregation, man-hour and payroll aggregates are the sum of the component aggregates.

Labor turnover

Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, which relates to a calendar month, is divided into two broad types: *Accessions* (new hires and rehires) and *separations* (terminations of employment initiated by either employer or employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. The data relate to all employees, whether full- or part-time, permanent or temporary, including executive, office, sales, other salaried personnel, and production workers. Transfers to another establishment of the company are included, beginning with January 1959.

Accessions are the total number of permanent and temporary additions to the employment roll, including both new and re-hired employees.

New hires are temporary or permanent additions to the employment roll of persons who have never before been employed in the establishment (except employees transferring from another establishment of the same company) or of former employees not recalled by the employer.

Other accessions, which are not published separately but are included in total accessions, are all additions to the employment roll which are not classified as new hires, including transfers from other establishments of the company and employees recalled from layoff.

Separations are terminations of employment during the calendar month and are classified according to cause: Quits, layoffs, and other separations, are defined as follows:

Quits are terminations of employment initiated by employees, failure to report after being hired, and unauthorized absences, if on the last day of the month the person has been absent more than 7 consecutive calendar days.

Layoffs are suspensions without pay lasting or expected to last more than 7 consecutive calendar days, initiated by the employer without prejudice to the worker.

Other separations, which are not published separately but are included in total separations, are terminations of employment because of discharge, permanent disability, death, retirement, transfers to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than 30 consecutive calendar days.

Relationship of labor turnover to employment series

Month-to-month changes in total employment in manufacturing industries reflected by labor turnover rates are not comparable with the changes shown in the Bureau's employment series for the following reasons: (1) Accessions and separations are computed for the entire calendar month; the employment reports refer to the pay period which includes the 12th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

Job vacancies

Job vacancies are the stock of unfilled job openings as of the close of the last business day of the reference month. Openings for all kinds of positions, classifications and employment, full time, part time, permanent, temporary, and seasonal are included. Excluded are jobs to be filled by recall from layoff, transfer, promotion, demotion or return from paid or unpaid leave; jobs unoccupied because of labor-management disputes; job openings for which "new" workers were already hired and scheduled to start work later; and openings with future starting dates, which are requested as a separate item.

Job vacancies are defined as vacant jobs which are immediately available for filling, and for which the firm is actively trying to find or recruit workers from outside the firm.

"Actively trying to find or recruit" means that the establishment is engaged in current efforts to fill the job vacancies by means of orders listed with public or private employment agencies and school placement offices; notification to labor unions and professional organizations; "help wanted" advertising (newspaper, posted notice, etc.) recruitment programs; and interview and selection of applicants.

Long-term job vacancies are those current vacancies which have continued unfilled for 30 days or more.

The reporting establishment is also asked to indicate the number of openings with future starting dates for which the firm is actively trying to recruit workers from outside the firm.

Job openings with future starting dates may exist for such reasons as: Job unavailable until expected separation of present incumbent occurs; work will not start until some future date; new branch to be opened in the future; or anticipated increase in business.

The *job vacancy rate* is computed by dividing the number of current job vacancies by the sum of employment plus vacancies, and multiplying that quotient by 100.

Occupational classifications are made in accordance with those established in the *Dictionary of Occupational Titles*, Third Edition, U.S. Department of Labor, 1965.

ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the industry statistics are (1) the use of the "link relative" technique, which is a form of ratio estimation, (2) periodic adjustment of employment levels to new benchmarks, and (3) the use of size and regional stratification.

The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a link relative. The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described later in table L, Summary of methods for computing industry statistics on employment, hours, earnings, job vacancies, and labor turnover. Further details are given in the technical notes—Chapter 2, Employment, Hours and Earnings, and Chapter 3, Labor Turnover,

reprinted from the *Handbook of Methods for Surveys and Studies*, BLS Bulletin 1458—which are available upon request.

Size and regional stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified production- or non-supervisory-worker data are used to weight the hours and earnings into broader industry groupings. Accordingly, the basic estimating cell for an employment, hours, or earnings series, as the term is used in the summary of computational methods, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry.

Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1970 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations, covering three-fourths of the total nonagricultural employment in the United States, are prepared under the direction of the Manpower Administration. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates relating to the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made in the last 3 benchmark years is shown in table E.

Table E. Nonagricultural payroll employment estimates, by industry divisions, as a percentage of the benchmark for 1968-1970

Industry division	1968	1969	1970
Total	100.4	99.8	100.0
Mining	101.7	101.5	100.0
Contract construction. .	99.5	99.0	100.1
Manufacturing	99.8	99.8	100.1
Transportation and public utilities	100.7	100.4	99.9
Wholesale and retail trade	100.3	100.0	100.1
Finance, insurance, and real estate	99.2	100.0	100.3
Services	99.2	99.1	99.6
Government	102.8	100.1	100.3

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. To provide users of the data with a convenient reference source for the revised data, the BLS publishes as soon as possible after each benchmark revision a summary volume of employment, hours, earnings, and labor turnover statistics.

THE SAMPLE

Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. The universe of establishments is stratified first by industry and then within each industry by size of establishment in terms of employment. For each industry, the number of sample units is distributed among the size class cells on the basis of average employment per establishment in each cell. In practice, this is equivalent to distributing the predetermined total number of establishments required in the sample among the cells on the basis of the ratio of employment in each cell to total employment in the industry. Within each noncertainty stratum the sample members are selected at random.

Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to accept samples in these divisions with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS employment and job vacancy-labor turnover statistics programs, with their emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specification for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after reports are mailed by respondents, and at a somewhat later date, statistics in considerably greater industrial detail.

Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of

social statistics. Table F shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown.

Table F. Approximate size and coverage of BLS employment and payrolls sample, March 1970¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Per cent of total
Mining	2,200	301,000	49
Contract construction ...	16,000	778,000	25
Manufacturing	46,000	12,025,000	61
Transportation and public utilities:			
Railroad transportation (ICC)	99	579,000	94
Other transportation and public utilities ...	7,100	2,126,000	56
Wholesale and retail trade..	40,000	2,828,000	19
Finance, insurance, and real estate	9,700	1,332,000	36
Services	23,300	2,423,000	21
Government:			
Federal (Civil Service Commission) ²	3,300	2,722,000	100
State and local	9,900	5,350,000	54

¹ Since a few establishments do not report payroll and man-hour information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

² State and area estimates of Federal employment are based on reports from a sample of Federal establishments, collected through the BLS—State cooperative program.

Table G shows the approximate coverage, in terms of employment, of the labor turnover sample.

Table G. Approximate size and coverage of BLS job vacancy-labor turnover sample, March 1970

Industry	Employees	
	Number reported	Percent of total
Manufacturing ¹	10,441,100	53
Metal mining	58,200	63
Coal mining	58,100	42
Communication:		
Telephone	736,100	81
Telegraph	22,000	68

¹ Since some establishments do not report the information, job vacancy estimates currently are based on reports from sample establishments covering about 43 percent of universe employment.

Reliability of the employment estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a link relative technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences, generally minor, arises from improvements in the quality of the benchmark data. Table H presents the average percent revisions of the six most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

Table H. Average benchmark percent revision in employment estimates and relative errors¹ for average weekly hours and average hourly earnings by industry division

Industry division	Average benchmark revision in estimates of employment ²	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.2	-	-
Total private. . . . .	.2	0.1	0.2
Mining . . . . .	.8	.5	.5
Construction. . . . .	.7	.2	.3
Manufacturing. . . . .	.3	.1	.1
Durable goods . . . . .	.4	.1	.1
Nondurable goods . . . . .	.3	.1	.1
Transportation and public utilities . . . . .	.3	.7	.4
Trade . . . . .	.3	.1	.2
Wholesale . . . . .	.9	.2	.3
Retail . . . . .	.3	.2	.2
Finance, insurance, and real estate . . . . .	.4	.2	.4
Services . . . . .	.8	.4	.8
Government ³	-	-	-

¹ Relative errors relate to March 1970 data.

² The average percent revision in employment for the 6 most recent benchmarks (1965-70).

³ Estimates for government are based on a total count for Federal Government and samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

The hours and earnings estimates for cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours

and earnings estimated, however, are subject to sampling errors which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table H and for individual industries with the specified number of employees in table I. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error from the averages that would have been obtained from a complete census.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates ($RMSE = \sqrt{(\text{Standard Deviation})^2 + (\text{Bias})^2}$).

If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root-mean-square error. The chances are about 19 out of 20 that the difference would be less than twice the root-mean-square error.

Table I. Root-mean-square errors of differences between benchmarks and estimates of employment and average relative errors for average weekly hours and average hourly earnings

Size of employment estimate	Root-mean-square error of employment estimates ¹	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
50,000	1,900	0.9	1.5
100,000	2,700	.7	1.1
200,000	4,100	.5	.9
500,000	8,100	.4	.8
1,000,000	12,500	.3	.5
2,000,000	16,700	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

Approximations of the root-mean-square errors (based on the experience of the last 6 years) of differences between final estimates and benchmarks are presented in table I.

For the most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table J presents root-mean-square errors of the

Table J. Errors of preliminary employment estimates

Size of employment estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000	700	700
100,000	900	800
200,000	1,900	1,800
500,000	3,200	3,200
1,000,000	5,700	5,500
2,000,000	11,300	11,000
10,000,000	39,300	38,500
Total nonagricultural employment	98,000	91,000

amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than .1 of an hour for weekly hours and 1 cent for hourly earnings.

Reliability of job vacancy estimates

As with the employment estimates, the estimates derived from the job vacancy survey may differ from the figures that would have been obtained if it were possible to take a complete census using the same schedules and procedures.

Measures of reliability for the job vacancy estimates are given by the relative errors in table K. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by a smaller percentage than the relative error. The chances are about 19 out of 20 that the difference would be a smaller percentage than twice the relative error.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, earnings, job vacancy, and labor turnover data are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State fig-

Table K. Relative errors of estimates of job vacancy data

Industry	Relative error ¹ (in percent)
Manufacturing	2
Durable goods industries	3
Nondurable goods industries	3
Selected durable goods industries:	
Primary metal industries	8
Machinery, except electrical	5
Electrical equipment & supplies	9
Transportation equipment	11
Instruments & related products	16
Selected nondurable goods industries:	
Textile mill products	4
Apparel and other textile products	4
Printing & publishing	14
Chemicals & allied products	8

¹ Expressed as a percent of the estimate.

ures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by each cooperating State agency are presented (from the earliest date of availability of each series) in a summary volume published annually by the BLS.

Unemployment Insurance Data

Insured unemployment represents the number of persons reporting a week of unemployment under an unemployment insurance program. It includes some persons who are working part time who would be counted as employed in the payroll and household surveys. Excluded are persons who have exhausted their benefit rights and workers who have not earned rights to unemployment insurance. In general, excluded from coverage are those persons who worked in firms whose size excluded them from the unemployment insurance laws, as well as many persons engaged in agriculture, domestic service, unpaid family work, selected nonprofit organizations, State and local government and self-employment. Also excluded from the insured unemployment count, but included as employed in the household survey, are those persons who earned no wages during the payroll period because they were temporarily absent from their jobs due to taking time off, illness and industrial dispute as well as

unpaid vacations. The rate of insured unemployment is the number of insured unemployed expressed as a percent of average covered employment in a 12-month period ending 6 to 8 months prior to the week of reference. Initial claims are notices filed by those losing jobs covered by an unemployment insurance program that they are starting a period of unemployment. A claimant who continues to be unemployed a full week is then counted in the insured unemployment figure.

Because of differences in State laws and procedures under which unemployment insurance programs are operated, State unemployment rates generally indicate, but do not precisely measure, differences among the individual States. Persons wishing to receive a detailed description of the nature, sources, inclusions and exclusions, and limitations of unemployment insurance data should address their inquiries to Manpower Administration, Washington, D.C. 20210.

Seasonal Adjustments

SEASONAL ADJUSTMENTS

Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation, it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but, in addition, are affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

The seasonal adjustment method used for these series is an adaptation of the standard ratio-to-moving average method, with a provision for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in the booklet, *The BLS Seasonal Factor Method* (1966), which may be obtained from the Bureau on request.

For establishment data, the seasonally adjusted series on hours, earnings, and labor turnover rates for industry groupings are computed by applying factors directly to the corresponding unadjusted series. However, seasonally adjusted employment totals for all employees and production workers by industry division are obtained by summing seasonally adjusted data for the component industries. Indexes of aggregate weekly man-hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1967 base. For total private, total goods producing, total private service producing, trade, manufacturing, and durable and nondurable goods the indexes of aggregate weekly man-hours, seasonally adjusted, are obtained by summing the aggregate weekly man-hours, seasonally adjusted, for the appropriate component industries and dividing by the 1967 base.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

The revised seasonally adjusted series for the establishment data reflect experience through May 1971. Seasonal factors to be used for current adjustment are shown in the September 1971 *Employment and Earnings*, and revisions will be made coincidental with the adjustment of series to new benchmark levels.

For each of the three major labor force components—agricultural and nonagricultural employment and unemployment—data for four age-sex groups (male and female workers under age 20 and age 20 and over) are separately adjusted for seasonal variation and are then added to give seasonally adjusted total figures. In order to produce seasonally adjusted total employment and civilian labor force data, the appropriate series are aggregated. The seasonally adjusted rate of unemployment is derived by dividing the seasonally adjusted figure for total unemployment (the sum of four seasonally adjusted age-sex components) by the figure for the seasonally adjusted civilian labor force (the sum of twelve seasonally adjusted age-sex components).

The seasonal adjustment factors applying to current data are based on a pattern shown by past experience. These factors are revised in the light of the pattern revealed by subsequent data. Revised seasonally adjusted series for major components of the labor force based on data through December 1970 are published in the February 1971 *Employment and Earnings*. Revisions will be made annually as each additional year's data become available.

The seasonal adjustment method used by BLS requires the use of at least 8 years of data, although there are special adjustment programs for as few as 3 years. Since collection of job vacancy information was begun in January 1969, the data necessary to seasonally adjust this series are not yet available. All job vacancy information published in *Employment and Earnings* is, therefore, on an unadjusted basis.

ATTENTION

As discussed in the Technical Note, the Bureau periodically adjusts the industry employment series to a recent benchmark to improve their accuracy. These adjustments may also affect the hours, earnings, job vacancy, and labor turnover series because employment levels are used as weights. Industry data for all national series shown in this report have been adjusted to March 1970 benchmarks. Data from April 1970 forward are subject to revision at the time of the next benchmark.

Beginning with the September 1971 and subsequent issues of

Employment and Earnings, the national data in Sections, B, C, and D supersede those published in previous issues, as well as those appearing in the *Handbook of Labor Statistics, 1971*. Comparable data will be published in *Employment and Earnings, United States, 1909-71*, BLS Bulletin 1312-8.

Job vacancy data have not been adjusted to reflect the effects of March 1970 benchmark employment levels and may be subjected to change.

Table L. Summary of methods for computing industry statistics on employment, hours, earnings, job vacancies, and labor turnover

Item	Basic estimating cells (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly Data		
All employees . . .	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months.	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers; women employees.	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) ratio of women to all employees.	Sum of production- or nonsupervisory-worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours . . .	Production- or nonsupervisory-worker man-hours divided by number of production or nonsupervisory workers.	Average, weighted by production- or non-supervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours . . .	Production-worker overtime man-hours divided by number of production workers.	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings . . .	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker man-hours.	Average, weighted by aggregate man-hours, of the average hourly earnings for component cells.
Gross average weekly earnings . . .	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates . . .	The number of particular actions (e.g., quits) in reporting establishments divided by total employment in those firms. The result is multiplied by 100.	Average, weighted by employment, of the rates for component cells.
Job vacancy rates . . .	The total number of job vacancies in sample establishments divided by the sum of total employment plus the total number of job vacancies. The result is multiplied by 100.	Sum of the total job vacancies in the component cells, weighted by employment, divided by the sum of total employment plus the total number of job vacancies. The result is multiplied by 100.
Long-term job vacancy rates . . .	The number of long-term job vacancies in sample establishments divided by the sum of total employment plus the total number of job vacancies. The result is multiplied by 100.	Sum of the long-term job vacancies in the component cells, weighted by employment, divided by the sum of total employment plus the total number of job vacancies. The result is multiplied by 100.
Annual Average Data		
All employees and production or non-supervisory workers.	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours . . .	Annual total of aggregate man-hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate man-hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours . . .	Annual total of aggregate overtime man-hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime man-hours for production workers divided by annual sum of employment for these workers.
Gross average hourly earnings	Annual total of aggregate payrolls (production- or nonsupervisory-worker employment multiplied by weekly earnings) divided by annual aggregate man-hours.	Annual total of aggregate payrolls divided by annual aggregate man-hours.
Gross average weekly earnings . . .	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.
Job vacancy rates	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.